STATE OF NEW JERSEY
SCHOOLS DEVELOPMENT AUTHORITY
32 FRONT STREET
TRENTON, NJ 08625-0991

<Addendum #1 >

NJSDA
32 East Front Street
Trenton, NJ 08625
Phone: 609-858-2984
Fax: 609-656-4609

Date: January 21, 2015

PROJECT #: WT-0022-N01

DESCRIPTION: Trenton Central High School Demolition and Abatement

This addendum shall be considered part of the Bid Documents issued in connection with the referenced project. Should information conflict with the Bid Documents, this Addendum shall supersede the relevant information in the Bid Documents.

A. CHANGES TO THE PROCUREMENT PROCESS:

1. Changes to the Request for Proposals and Associated Documents.

a. **REPLACE**: Replace the original Price Proposal Unit Pricing (PPUP) form, dated December 17, 2014, with the revised PPUP form, dated January 16, 2015, attached herewith as Attachment 1.1.

B. CHANGES TO THE PROJECT MANUAL:

1. Volume 1

a. **REPLACE**: Replace the original Price Proposal Unit Pricing (PPUP) form, dated December 17, 2014, with the revised PPUP form, dated January 16, 2015, attached herewith as Attachment 1.1.

b. **Changes to General Conditions**

NOTE: Deletions are shown in ~~*italics and strikethroughs*~~; additions are shown in **bold and underline**.

i. **MODIFY**: Section 6.17.2 (within Section 6.17 "Security") shall be modified as follows:

6.17.2 At a minimum, the Contractor's Security Plan shall require the Contractor to provide all fences, gates, barriers, locks, doors and security necessary to secure the Site until Substantial Completion of the Project. **The Contractor's Security Plan shall also provide**

for at least one (1) security guard to be present at the Project Site at all times when the Contractor is not on-Site. The security guard shall be trained and registered in accordance with all applicable state and federal laws, including the Security Officer Registration Act, N.J.S.A. 45:19A-1 et seq. The security guard need not be armed, but shall be uniformed and equipped with sufficient communication devices or equipment to enable the security guard to inform local law enforcement of an emergency or crime in progress on or about the Project Site. In addition, the Contractor shall be responsible for the security of any stored materials and/or temporary structures that it has located on the Project Site or elsewhere. The Contractor shall provide all Site fencing, gates, locks, security personnel, security services, and security structures and equipment required by the Contract Documents, or otherwise necessary to properly protect the Site and the Work.

ii. **MODIFY**: Section 6.18 "Temporary Facilities") shall be modified to add as follows:

6.18 **Authority Field Office and** Temporary Facilities

6.18.1 **The Contractor will provide an on-Site, suitable, separate, weather-tight, heated, insulated field office, and will secure the necessary permits for such field office, for use by the Authority's employees, the Construction Manager, and Professional Services Consultants and agents.**

6.18.2 The Contractor shall also provide such storage areas, staging areas, excavation borrow/spoils designated areas, commercial canteen areas, telephones, toilet facilities, and other temporary facilities, as well as employee vehicular parking areas, as are necessary to perform the Work, or as are required under the Contract Documents. The Contractor shall locate such areas to suit Project requirements, subject to acceptance of the Authority, and the Contractor shall be responsible for maintaining such facilities.

iii. **MODIFY**: Section 7.3 "Approval of Subcontractors") shall be modified to add as follows:

7.3 Approval of Subcontractors

~~*7.3.1*~~ As soon as a potential Subcontractor has been identified by the Contractor, but in no event less than twenty (20) Days prior to the scheduled commencement of work by such Subcontractor, the Contractor shall notify the Authority in writing, using the Forms and Procedures approved by NJSDA, of the name and address of such Subcontractor and shall request that the Authority approve such Subcontractor. The Authority shall

respond to the Contractor's request within fourteen (14) Days of submission, and shall approve or reject the named Subcontractor.

7.3.1 If the Project is subject to a PLA, then PLA Letters of Assent ("LOA") are an express condition for approval of any Subcontractor or Subconsultant on the Project. The Contractor shall include and incorporate the full text of the PLA, including a copy of the Contractor Signature Page as executed by the Contractor and the form of the Subcontractor's LOA, into each and every subcontract for Work on the Project, when the subcontract concerns Work regulated by the PLA.

7.3.2 The Contractor shall ensure that each and every Subcontractor performing PLA-regulated Work on the Project shall submit to the Construction Manager an original, executed LOA, in the form attached to the PLA, and shall submit a copy of the executed LOA to the Authority's Labor Relations Manager prior to beginning any Work on the Project.

7.3.3 Subcontractors of any tier whose proposed Work is regulated by the PLA, and who are found to be non-compliant after the start of any such Work may have their approval revoked and/or may be subject to removal.

~~7.3.2~~**7.3.4** If the Authority rejects a Subcontractor submitted by Contractor, the Authority shall notify the Contractor as to the grounds on which such rejection is based. Contractor shall submit a new Subcontractor for approval. In no event shall a Subcontractor commence work on the Project prior to approval by the Authority.

2. Volume 2

a. **ADD:** In the Asbestos Abatement Plan of Volume 2, add the following drawings regarding the Tunnel/Crawlspace asbestos abatement activities: Figures 1, 2 and 3, attached herewith as Attachments 1.2, 1.3 and 1.4.

3. Volume 3

a. **ADD:** At the end of Volume 3, Attachment 3 "Hazardous Material and Universal Waste Report", add the TestAmerica Soil Sample Analytical Report, attached herewith as Attachment 1.5.

C. CHANGES TO THE DRAWINGS:

1. Volume 2

a. **ADD:** Per Section **B.2.a** above, add to the Asbestos Abatement Plan Figures 1, 2 and 3, attached herewith as Attachments 1.2, 1.3 and 1.4.

D. BIDDER'S QUESTIONS, REQUESTS FOR INFORMATION AND RESPONSES:

1. Question: It was mentioned in the meeting that we can maintain the existing utilities while [the] work progresses building by building. Should we assume we will have to reimburse the School District for said costs, or that they will they pay them directly without reimbursement, or will we pay them directly? What are the current cost for each utility on a month by month basis so we can have idea of what those cost would be?

   Answer: **At this time NJSDA can only estimate the cost of the utility bills at $8,000 to $10,000 per month for electricity, based on the information provided to NJSDA by the Trenton Board of Education (TBOE). If the winning bidder elects to use the existing power and water service that the TBOE currently maintains on site, the bidder will be responsible to pay TBOE directly for the costs of using such existing utilities during the duration of the contract.**

2. Question: Can we utilize alternate means of getting power and heat for the buildings if more cost efficient?

   Answer: **Bidders are free to use an alternate method to provide power and heat to the building.**

3. Question: Do the fire and security systems/alarms need to maintained during the phasing?

   Answer: **No, these services are not required to be maintained and will be terminated by the TBOE upon NJSDA's issuance of a Notice to Proceed NTP for the contract. Bidders should note that the winning bidder will be 100% responsible for all areas within the project limits.**

4. Question: Are we responsible for site security throughout the contract?

   Answer: **Yes, site security is required during all non-working hours for the duration of the project. See Section B.1.b.i, above for changes to the General Conditions to implement this requirement. The costs for site security are to be included in line item 4 "Site Staff" of the Price Proposal.**

5. Question: Are the fire hydrants at the rear of the property public or in a closed system part of the schools fire system? Will they be kept and can we use them?

   Answer: **The fire hydrants are public property as the school does not have a fire sprinkler system. The use of these hydrants requires bidder verification with the Authority having Jurisdiction.**

6. Question: At the end of the meeting we were told to anticipate the FTP site information this morning. Has it been delayed?

   Answer: The FTP information was provided to bidders on 1-7-15.

7. Question: Under which Bid Item should the Final "As Built" survey be priced?

   Answer: This cost is to be included in Line Item 14 "Punchlist" of the Price Proposal.

8. Question: Section 01010-02, Item #7 refers to a privacy screen- Is that required and part of this contract?

   Answer: Yes this is required and can be attached to the existing fencing that is to be maintained by the contractor.

9. Question: Section 01010-02, Item #1 refers to two exterior transformers- Are they owned by the School District or the power company?

   Answer: The exterior transformers are owned by PSE&G.

10. Question: Section 01010-04, Item #13 refers to discharge of waste water- Is there reason to suspect any containments [sic] or hazardous materials in the water?

    Answer: There are no suspected hazardous materials anticipated.

11. Question: Section 01010-05, Item #14 says that there shall be no recycling on site. Is it intended that materials be removed from site, recycled and returned to site?

    Answer: The cited language prohibiting on-site recycling is specific to the items listed in the first part of Item 14, "Demolition and off-site removal of all existing site improvements within the contract limit line such as paving, loading docks, fences and fence footings, pavements, drainage, utilities, walks, and other site improvements," which items cannot be recycled and reused onsite. These materials are to be removed and disposed of at an appropriate off-site facility. The building structure itself is intended to be crushed and reused onsite, in accordance with the provisions of Specification Section 02070 "Demolition and Debris Removal", Part 3.8.D.

12. Question: For what reason is section 01411 included in the specification as this is usually intended for installation of new HVAC?

    Answer: Specification Section 01411 is not applicable to this contract.

13. Question: Attachment 3- the Hazardous Waste Report, Page 3-4 says remediation may be required for the lead paint in some areas. Can this be clarified as to exten[t] and what is truly anticipated?

    Answer: Please refer to Section 01010 Part 1.3 General Item 9 does not require lead paint to be abated prior to demolition. This report is attached for informational purposes and is intended to inform the bidders in determining a means and methods approach to the project.

14. Question: In conjunction with question 7 above, Attachment 3, Page 5-3 indicates that there are areas that contain hazardous levels and should be considered hazardous waste and should be managed as such. Please indicate the quantity and in which bid item this should be included.

    Answer: Please see the response to question 13.

15. Question: Can the contractor provide their own phasing schedule or do we need to adhere to the schedule on the plans?

    Answer: The contractor may present an alternative phasing plan or schedule as part of their technical submission in response to the RFP, but any alternative phasing plan or schedule must be formally accepted and approved by NJSDA and must comply with the contract duration specified in the Supplemental Conditions for this project, which is a 365-day duration from the Notice to Proceed with Construction.

16. Question: How is the boiler house to building D tunnel to be closed off?

    Answer: After all lines are cut and capped at the project limit line, the tunnel is to be sealed with a full height 8-inch masonry partition.

E. CHANGES TO PREVIOUS ADDENDA:

1. Not applicable.

F. ATTACHMENTS

1. Attachment 1.1 Revised Price Proposal Form (PPUP) dated 01/16/15
2. Attachment 1.2 Tunnel/Crawl Space Abatement Drawings Figure 1
3. Attachment 1.3 Tunnel/Crawl Space Abatement Drawings Figure 2
4. Attachment 1.4 Tunnel/Crawl Space Abatement Drawings Figure 2
5. Attachment 1.5 TestAmerica Soil Sample Analytical Report

G. SUPPLEMENTAL INFORMATION

1. Insurance

    a. All potential bidders are reminded that the project known as “NJSDA project #NJSDA-WT-0022-N01 -Asbestos Abatement and Demolition- Trenton Central High School” is a non-OCIP project.

    b. BIDDERS WILL BE RESPONSIBLE FOR INCLUDING THE COST OF ALL INSURANCES AS PER SECTION 9.2 OF THE GENERAL CONDITIONS WITHIN THEIR BID AMOUNTS.

Any bidder attempting to contact government officials (elected or appointed), including NJSDA Board members, NJSDA Staff, and Selection Committee members in an effort to influence the selection process may be immediately disqualified.

End of Addendum No. 1

1-20-14

NJSDA Date

Andrew Oakley, Senior Program Officer

NJSDA
32 East Front Street
Trenton, NJ 08625
Phone: 609-858-2984
Fax: 609-656-4609

Date: January 21, 2015

PROJECT #: WT-0022-N01

DESCRIPTION: Trenton Central High School Demolition and Abatement

Addendum No. 1

Acknowledgement of Receipt of Addendum

Contractor must acknowledge the receipt of the Addendum by signing in the space provided below and returning via fax to (609-656-4609). Signed acknowledgement must be received prior to the Bid Due Date. Acknowledgement of the Addendum must be made in Section E.6 of the Price Proposal Submission.

Signature	Print Name
Company Name	Date

PRICE PROPOSAL SUBMISSION
for
BID
to
NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY

For the following Package:

Contract Number: WT-0022-N01
Contract Name/Description: Trenton Central High School Asbestos Abatement and Demolition
District: Trenton
County: Mercer

THIS PACKAGE IS COMPRISED OF THE FOLLOWING SCHOOL PROJECTS:

SCHOOL

Trenton Central High School

Bid of _____
(Bidder's Name) (Bidder's Federal I.D. #)

a Corporation organized and existing under the laws of the State of _____

or a partnership or joint venture consisting of _____

_____

or an individual, trading as _____

There is a two-step bidding process for bidding with the NJSDA:

First Step: A Bidder must first submit the "Project Rating Proposal", which consists of information regarding the "other factors" which will be evaluated by the NJSDA in its consideration of the bid. The NJSDA will determine a Bidder's Project Rating Limit based on this proposal.

Second Step: A Bidder must submit the "Price Proposal", which contains the price the Bidder intends to bid for the work as well as other required information.
Important Notes:

1) A Bidder may not submit a Price Proposal that exceeds its Project Rating Limit for a project.
2) A Bidder's Project Rating Limit cannot exceed the firm's Aggregate Limit.

A. Price Proposal Submission:

The Bidder shall complete and execute this Price Proposal and enclose it in an envelope that is **sealed** and **clearly marked** with the Bidder's Name, Contract Number, Contract Name, School District, County and the date of Price Proposal submission. The Bidder must submit its sealed Price Proposal to the NJSDA in accordance with Section 8 of the Instruction to Bidders.

B. Bidder:

All Bidders must be classified by the Department of the Treasury, Division of Property Management and Construction in all applicable trades; pre-qualified by the NJSDA in all applicable trades; registered with the Department of Labor; and registered with the Department of Treasury, Division of Revenue; and provide a valid contractor or trade licenses where applicable at the time of submission of this bid. **Time is of the essence for completion of all projects in this package**.

The Bidder MUST submit a copy of its Uncompleted Contracts Form. Uncompleted Contracts forms submitted by the Bidder and any required Subcontractors must reflect accurate and timely information. The amount set forth in the Uncompleted Contracts Form must reflect the amount of uncompleted work as of the date of the bid submission. In no instances will Uncompleted Contracts forms be acceptable where the date of the Form is greater than 120 days prior to the due date for bid submission.

In addition, the Bidder **MUST** submit a Disclosure of Investment Activities in Iran Form on the form provided by the NJSDA. "Pursuant to Public Law 2012, c. 23 (codified at N.J.S.A. 52:32-55 et. seq.) (the "Act"), any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract with the New Jersey Schools Development Authority ("NJSDA") must complete a Certification which states that the person or entity, or one of the persons or entity's parents, subsidiaries, or affiliates, is not identified on a list created and maintained by the New Jersey Department of the Treasury ("Treasury") as a person or entity engaging in investment activities in Iran. Such a Certification must be in the form attached hereto. **Failure to include such Certification with the completed Price Proposal will result in the disqualification of the bid and rejection of the Price Proposal.**

C. Subcontractors:

1. The Bidder **MUST** name all subcontractors that will be performing work in any of the trades listed in the Bid Advertisement or required by statute.

2. In accordance with the requirements of N.J.S.A. 52:18A-243, each bidder is required to set forth in its bid the name or names of all subcontractors to whom the bidder will directly subcontract for the furnishing of any of the work and materials specified in the plans and specifications for the following branches: (1) the plumbing and gas fitting and all work and materials kindred thereto ("Plumbing Branch"); (2) the steam and hot water heating and ventilating apparatus, steam power plants and all work and materials kindred thereto ("HVAC Branch"); (3) the electrical work ("Electrical Branch"); and (4) structural steel and miscellaneous iron work and materials ("Structural Steel Branch").

3. When naming subcontractors in accordance with Section C.2 above, a bidder is required to name only those subcontractors that are engaged directly by the Bidder ("first-tier subcontractors"). Bidders are NOT REQUIRED to name any subcontractors engaged by the first-tier subcontractors or by others (e.g., "second-tier subcontractors" or "third-tier subcontractors.")

4. All named subcontractors identified in accordance with Sections C.1. and C.2. above must be classified by the Department of the Treasury, Division of Property Management and Construction in all applicable trades; pre-qualified by the NJSDA in all applicable trades; registered with the Department of Labor; and registered with the Department of Treasury, Division of Revenue; and provide a valid contractor or trade licenses where applicable at the time of submission of this bid.

5. All Bidders **MUST** submit a copy of the Uncompleted Contracts Form for any subcontractor required to be named in accordance with Sections C.1. and C.2. above**.** Uncompleted Contracts forms submitted by the Bidder and any named Subcontractors must reflect accurate and timely information. The amount set forth in the Uncompleted Contracts Form must reflect the amount of uncompleted work as of the date of the bid submission. In no instances will Uncompleted Contracts forms be acceptable where the date of the Form is greater than 120 days prior to the due date for bid submission.

6. If the Bidder is properly classified and pre-qualified, and will be performing work in these trades with its "own forces," so state. Failure to indicate what firms will be performing the work in accordance with the requirements of N.J.S.A. 52:18A-243 may cause the bid to be rejected.

7. The Bidder shall list the SBE status of each subcontractor, where applicable.

D. SBE Opportunities:

The Bidder agrees it shall make a good faith effort to meet the requirements of the SBE Utilization Attachment contained in the Contract Documents in order to ensure that small business enterprises, as defined in that attachment and in applicable regulation, have the maximum opportunity to compete for and perform subcontracts.

The NJSDA requires the contractor to provide opportunities to SBE firms to participate in the performance of this engagement, consistent with NJSDA SBE set aside goals of 25%, awarding 5% of the contract value to registered Category 4 SBE firms; 5% of the contract value to registered Category 5 SBE firms; and 5% of the contract value to registered Category 6 SBE firms; and 10% of the contract value to SBE firms registered in any of the three Categories.

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GENERAL CONSTRUCTION WORK:

_____ _____

Firm Address

_____ _____ _____

SBE Status DOL Contractor Registration # Federal I.D. #

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PLUMBING BRANCH WORK: The bidder must identify a subcontractor that is DPMC classified in the trade of Plumbing (C030), unless the bidder intends to self-perform for this trade. If the bidder intends to self-perform, the bidder must identify itself as self-performing in the trade of Plumbing (C030). If the bidder will contract with any additional subcontractors with DPMC Trade Classifications in the Plumbing trade or other trades applicable to this branch, each such additional subcontractor must be identified.

_____ _____

Firm Address

_____ _____ _____

SBE Status DOL Contractor Registration # Federal I.D. #

Additional Plumbing Branch Subcontractor(s): Note DPMC Classification: _____

_____ _____

Firm Address

_____ _____ _____

SBE Status DOL Contractor Registration # Federal I.D. #

Additional Plumbing Branch Subcontractor(s): Note DPMC Classification: _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

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HVAC BRANCH WORK: The bidder must identify a subcontractor that is DPMC classified in the trade of HVAC (C039), unless the bidder intends to self-perform for this trade. If the bidder intends to self-perform, the bidder must identify itself as self-performing in the trade of HVAC (C039). If the bidder will contract with any additional subcontractors with DPMC Trade Classifications in the HVAC trade or other trades applicable to this branch, each such additional subcontractor must be identified.

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

Additional HVAC Branch Subcontractor(s): Note DPMC Classification: _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

Additional HVAC Branch Subcontractor(s): Note DPMC Classification: _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

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ELECTRICAL BRANCH WORK: The bidder must identify a subcontractor that is DPMC classified in the trade of Electrical (C047), unless the bidder intends to self-perform for this trade. If the bidder intends to self-perform, the bidder must identify itself as self-performing in the trade of Electrical (C047). If the bidder will contract with any additional subcontractors with DPMC Trade Classifications in the Electrical trade or other trades applicable to this branch, each such additional subcontractor must be identified.

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

Additional Electrical Branch Subcontractor(s): Note DPMC Classification: _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

Additional Electrical Branch Subcontractor(s): Note DPMC Classification: _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

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STRUCTURAL STEEL AND MISCELLANEOUS IRON WORK: The bidder must identify a subcontractor that is DPMC classified in the trade of Structural Steel (C029), unless the bidder intends to self-perform for this trade. If the bidder intends to self-perform, the bidder must identify itself as self-performing in the trade of Structural Steel (C029). If the bidder will contract with any additional subcontractors with DPMC Trade Classifications in the Structural Steel trade or other trades applicable to this branch, each such additional subcontractor must be identified..

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

Additional Structural Steel Branch Subcontractor(s): Note DPMC Classification: _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

Additional Structural Steel Branch Subcontractor(s): Note DPMC Classification: _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

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OTHER TRADE CLASSIFICATIONS NAMED IN BID ADVERTISEMENT
(Name Trade Classification): _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

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OTHER TRADE CLASSIFICATIONS NAMED IN BID ADVERTISEMENT
(Name Trade Classification): _____

_____ _____
Firm Address

_____ _____ _____
SBE Status DOL Contractor Registration # Federal I.D. #

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E. Price:

1. The undersigned, as Bidder, declares:
   - That this Price Proposal is made, without collusion with any other person, firm or corporation;
   - That the Bidder has carefully examined the form of the Project Manual, Contract, Instructions to Bidders, Addenda, Specifications, Plans and all other Contract Documents;
   - That the Bidder has carefully examined the locations, conditions and classes of material for the proposed work;
   - That the Bidder agrees that it will provide all necessary machinery, tools, apparatus and other means of construction and will do all work and furnish all the materials called for in the Contract Documents in the manner therein prescribed; and
   - That the Bidder is aware OCIP does NOT APPLY to this project and this Price Proposal is submitted INCLUSIVE of all applicable insurance expenses and policy costs allocated to the project as outlined in Section 9.2 of the General Conditions.

2. In submitting this Price Proposal, the Bidder agrees:
   - That the NJSDA has the right to reject this Price Proposal in accordance with the Instructions to Bidders.
   - To hold this Price Proposal open for a period of ninety (90) calendar days from the date of the public opening and reading of the Price Proposals, unless this time period is extended by mutual agreement of the Bidder and the NJSDA.
   - To accomplish the work at the price bid, in accordance with the Contract Documents.

3. Base Bid Price:
   - Total amount for the furnishing of all labor, materials, services, equipment and appliances required in conjunction with and properly incidental to all work, in conformance with all Contract Documents. **The price of allowances listed in the Specifications and/or by Addenda (um) must be included in the Base Bid Price.**

   - In case of a discrepancy between the amount shown in words and the amount shown in figures, **the amount shown in words shall govern**. Except where unit pricing applies, in case of a discrepancy between the amount shown in words and the amount shown in figures, the amount shown in words shall govern. In the event that the NJSDA has requested unit pricing, the paragraph entitled "Consideration of Unit Pricing" on page 8 shall govern.

- **The Public Opening and Reading of the Price is for informational purposes only and is not to be construed as an acceptance or rejection of any bid submitted.**

UNIT PRICING:

PRICE PROPOSAL FORM						
Bid Item	Description	Building Area	Quantity	Units	Unit Price	Bid Amount
1	Mobilization	All	1	Lump Sum		
2	Insurance	All	1	Lump Sum		
3	Bond	All	1	Lump Sum		
4	Site Staff	All	12	Monthly		
5	Soil Erosion and Sediment Control Setup	All	1	Lump Sum		
6	Soil Erosion and Sediment Control Maintenance	All	12	Monthly		
7	Temp Fence Maintenance	All	12	Monthly		
8	Temp Electric	All	12	Monthly		
9	Temp Water	All	12	Monthly		
10	Temp Facilities	All	12	Monthly		
11	Photographs	All	12	Monthly		
12	CPM Schedule	All	1	Lump Sum		
13	CPM Updates	All	12	Monthly		
14	Punchlist	All	1	Lump Sum		
15	Demobilization	All	1	Lump Sum		
16	Strip and Dispose of Topsoil	All	1	Lump Sum		
17	Utility Disconnect	A	1	Lump Sum		
18	Interior Gut Demolition (including disposal)	A	1	Lump Sum		
19	Bulk Structural Demolition	A	1	Lump Sum		
20	Footing and Foundation Removal	A	1	Lump Sum		
21	Tunnel Removal	A	1	Lump Sum		
22	Backfill, Compact, and Grade	A	1	Lump Sum		
23	Utility Disconnect	B	1	Lump Sum		
24	Interior Gut Demolition (including disposal)	B	1	Lump Sum		
25	Bulk Structural Demolition	B	1	Lump Sum		
26	Footing and Foundation Removal	B	1	Lump Sum		
27	Tunnel Removal	B	1	Lump Sum		
28	Backfill, Compact, and Grade	B	1	Lump Sum		
29	Utility Disconnect	C	1	Lump Sum		
30	Interior Gut Demolition (including disposal)	C	1	Lump Sum		
31	Bulk Structural Demolition	C	1	Lump Sum		
32	Footing and Foundation Removal	C	1	Lump Sum		
33	Tunnel Removal	C	1	Lump Sum		
34	Backfill, Compact, and Grade	C	1	Lump Sum		
35	Utility Disconnect	D	1	Lump Sum		
36	Interior Gut Demolition (including disposal)	D	1	Lump Sum		
37	Bulk Structural Demolition	D	1	Lump Sum		
38	Footing and Foundation Removal	D	1	Lump Sum		
39	Tunnel Removal	D	1	Lump Sum		
40	Backfill, Compact, and Grade	D	1	Lump Sum		
41	Utility Disconnect	E	1	Lump Sum		
42	Interior Gut Demolition (including disposal)	E	1	Lump Sum		
43	Bulk Structural Demolition	E	1	Lump Sum		
44	Footing and Foundation Removal	E	1	Lump Sum		
45	Tunnel Removal	E	1	Lump Sum		
46	Backfill, Compact, and Grade	E	1	Lump Sum		
47	Utility Disconnect	F	1	Lump Sum		
48	Interior Gut Demolition (including disposal)	F	1	Lump Sum		
49	Bulk Structural Demolition	F	1	Lump Sum		
50	Footing and Foundation Removal	F	1	Lump Sum		
51	Backfill, Compact, and Grade	F	1	Lump Sum		
52	Concrete Processing	All	1	Lump Sum		

53	Exterior Caulk	A	1650	lf		
54	Exterior Caulk	B	4145	lf		
55	Exterior Caulk	C	5276	lf		
56	Exterior Caulk	D	1747	lf		
57	Exterior Caulk	E	65	lf		
58	Exterior Caulk	F	21	lf		
59	Exterior Glazing	E	110	units		
60	Exterior Glazing	F	69	units		
61	Roofing Area	A	65517	sf		
62	Roofing Area	B	27500	sf		
63	Roofing Area	C	29325	sf		
64	Roofing Area	D	45820	sf		
65	Floor Tile and Mastic	A	19472	sf		
66	Floor Tile and Mastic	C	220	sf		
67	Floor Tile and Mastic	D	7736	sf		
68	Floor Tile and Mastic	E	7628	sf		
69	Floor Tile and Mastic	F	1950	sf		
70	Nail Crete Mastic	A	51348	sf		
71	Nail Crete Mastic	B	34340	sf		
72	Nail Crete Mastic	C	19807	sf		
73	Nail Crete Mastic	D	9712	sf		
74	Nail Crete Mastic	F	9600	sf		
75	Carpet Mastic	C	50	sf		
76	Transite Panels	D	369	sf		
77	Transite Panels	E	1360	sf		
78	Duct Insulation (Kiln Lining)	A	24	sf		
79	Duct Insulation (Fume Hoods)	C & E	6	units		
80	Duct Insulation (Auditorium plenum)	A	420	sf		
81	Acoustical Plaster	A	7560	sf		
82	Acoustical Plaster	D	8550	sf		
83	Desk Tops	C	416	sf		
84	Non-Tunnel TSI	A	2128	lf		
85	Non-Tunnel TSI	B	1061	lf		
86	Non-Tunnel TSI	C	951	lf		
87	Non-Tunnel TSI	D	170	lf		
88	Non-Tunnel TSI	E	31	lf		
89	Non-Tunnel TSI	F	208	lf		
90	Tunnel TSI	A	7290	lf		
91	Tunnel TSI	B	5238	lf		
92	Tunnel TSI	C	4264	lf		
93	Tunnel TSI	D	4170	lf		
94	PCB Light Ballasts and Flourescent Bulbs	All	3860	units		
95	Flourescent bulbs	All	600	units		
96	Thermostats	All	126	units		
97	Batteries (Backup and Emergency Light Systems)	All	89	units		
98	Fire Doors	All	50	units		
99	Switches	All	68	units		
100	Self Illuminating Exit Signs	All	138	units		
101	Fire Alarm Boxes	All	105	units		
102	Fire Suppression System (Ansul)	All	3	units		
103	Grease Traps	All	10	units		
104	500 Gallon Above Ground Storage Tank	All	1	units		
105	Hydraulic Oil	All	50	gallons		
106	Sewer Injector	All	1	units		
107	Caked Paint/Oil Soilds in Floor Drain	F	170	cubic feet		

108	Oil-Water Separator System	F	800	gallons		
109	Electrical Panels	A	12	sf		
110	Electrical Panels	B	12	sf		
111	Electrical Panels	C	12	sf		
112	Electrical Panels	D	12	sf		
113	Transite Arch Shields	A	20	sf		
114	Compressed Paper Heat Shields	A	75	sf		
115	Formica Coil Dry Transformers	ALL	8	units		
116	Switchgear Transite Panels	A	3	units		
117	Salvage Weathervane from the Clock Tower	A	1	units		
118	Salvage Stone Stair Treads (as directed)	All	250	lf		
119	Salvage Column Capital and Base from either main entrence	A	1	units		
120	Salvage Complete Column assembly	All	2	units		
121	Salvage Miscellaneous door pediments and trim (as directed)	All	6	units		
122	Salvage Scuplture niche including decorative wall panel, plinth, and seating	All	1	units		
123	Salvage Travertine wall covering from Auditorium	A	5000	sf		
124	Remove and Dispose of top 1 foot of soil as indicated on drawings	All	10500	tons		
125	Allowance #1 - undisclosed, unforeseen, hidden asbestos and Universal Waste	All	1	Allowance	$500,000.00	
126	Allowance #2 - Unforeseen Condition encountered during Demolition and Salvage Operations	All	1	Allowance	$200,000.00	
127	Removal and Disposal of window AC units	All	28	units		
128	Removal and Disposal Light Beige Fire Curtain	A	3000	sf		
					Total Bid	$ -

BASE BID PRICE: _____

(In Words)

$ _____

(In Figures)

Interpretation of Quantities in Bid Schedule

The quantities appearing in the bid schedule on the Price Proposal Form are approximate only and are provided to facilitate the comparison of bids. Payment will be made only for the quantities of Work completed in accordance with the terms of the Contract. Such payment will be made at the original unit prices for the quantities of Work accepted by the Construction Management Firm/Engineer for the Project or by the Authority itself. The scheduled quantities of Work may be increased, decreased, or eliminated in their entirety, as provided by the Construction Management Firm/Engineer for the Project or by the Authority itself.

"If and Where Directed" Items

The Price Proposal Form may request unit price bids on one or more scheduled bid items to be incorporated into the Work of the Project only "if and when directed" by the Construction Management Firm/Engineer for the Project or by the Authority itself. References to such items may not appear on the plans. The estimated quantities set out in the Price Proposal Form for such items are included for the purpose of obtaining unit price bids only, and not to convey the actual quantities of such items which might be incorporated into the Work of the Project. Depending on field conditions, such "if and where directed" items may or may not be incorporated into the Work of the Project and, if incorporated, may be many times the estimated quantities or only a fraction thereof.

Incorporation of such "if and where directed" items into the Work of the Project shall be made only on written direction of the Construction Management Firm/Engineer for the Project or the Authority itself. No payment shall be made for "if and where directed" items not directed in writing by the Construction Management Firm/Engineer for the Project or by the Authority itself. The Construction Management Firm/Engineer or the Authority itself, may order incorporation of such items into the Work of the Project at any time during the Contract Time. If such items are directed by the Construction Management Firm/Engineer, or by the Authority itself in writing, payment shall be made at the unit prices bid for the actual quantities of Work performed and accepted by the Construction Management Firm/Engineer, or the Authority itself.

Consideration of Unit Pricing

In the event of a discrepancy between the unit price bid for any scheduled bid item and the extension shown for that item under the column of the Price Proposal Form designated "Bid Amount", the unit price is to govern. Where a unit price is bid, but no extension is provided, the NJSDA will provide the extension based on the unit price bid and the estimated quantity for the Bid Item.

Where an extension is provided in the "Bid Amount" column, but no unit price appears in the "Unit Price" column of the Price Proposal form, the NJSDA will provide the unit price by dividing their "Bid Amount" figure provided by the Bidder by the estimated quantity.

BASE BID PRICE: _____

(In Words)

$ _____

(In Figures)

4. Alternates:

Refer to the Specifications and/or Addenda (um) for the list of Alternates, if any.

For each listed Alternate, the Bidder shall:

1. Identify specifically the alternate to be addressed under the column entitled **"Alternates"**. Said identification shall be the name or number of the alternate;
2. Fill in the amount bid for the Alternate in the column entitled **"Price"** in the appropriate space opposite the **"Alternate"** column and indicate if this price is a decrease alternate by using the symbol **"-"** or an increase alternate using the symbol **"+"**. If the alternate is chosen, increase alternates will increase the base bid by the amount indicated, decrease alternates will result in a reduction of the base bid by the amount indicated;
3. If no change in the bid amount is required, the Bidder must indicate **"No Change"** or **"$0 dollars"** in the price column.

Alternate	Price
_____	_____
_____	_____
_____	_____

5. Bid Bond:

The Bidder shall attach to this Price Proposal a Bid Bond, having a value of ten percent (10%) of the total base bid amount. Bid Bonds shall be returned to all unsuccessful Bidders in accordance with the Instructions to Bidders.

6. Addenda:

The Bidder acknowledges receipt and incorporated into this bid of the following Addenda:

Number: _____ _____ _____ _____ _____

Dated: _____ _____ _____ _____ _____

F. CERTIFICATION

The Bidder hereby certifies to the best of its knowledge and belief and under penalty of perjury under the laws of the United States and the State of New Jersey:

1. That all information provided herein is accurate and truthful.

2. That an affirmative action program of equal employment opportunity, pursuant to P.L. 1945, c. 169, the "New Jersey Law Against Discrimination," as supplemented and amended has been adopted by this organization to ensure that applicants are employed and employees are treated without regard to their race, creed, color, national origin, ancestry, marital status, sex, or affectional or sexual orientation, and that the selection and utilization of contractors, subcontractors, consultants, materials suppliers and equipment lessors shall be done without regard to their race, creed, color, national origin, ancestry, marital status, sex, or affectional or sexual orientation. Such action shall include but not be limited to the following: employment,

upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeships. The Bidder agrees to post in conspicuous places, available to employees and applicants for employment, Notices to be provided by the NJSDA's Compliance Officer setting forth provisions of this nondiscrimination clause. Said affirmative action program addresses both the internal recruitment, employment and utilization of minorities and the external recruitment policy regarding minority contractors, subcontractors, consultants, materials suppliers and equipment lessors.

3. That the bid has been executed with full authority to do so; that the Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with these projects; and that all statements contained in this bid and in this certification are true and correct and made with full knowledge that the NJSDA relies upon the truth of the statements contained in this bid and in the statements contained in this certification in awarding the contract for the projects.

4. That neither the Bidder nor its principals:

   A. are currently debarred, suspended, proposed for debarment, declared ineligible, or excluded from bidding or contracting by, any agency of government including but not limited to federal, state, regional, county or local government agency, in this or any other state including any department, division, commission, authority, office, branch, section and political subdivision or other governmental or quasi-governmental entity;

   B. are voluntarily excluded from bidding or contracting, or have agreed to voluntarily refrain from bidding or contracting, through an agreement with any agency of government including but not limited to federal, state, regional, county or local government agency, in this or any other state including any department, division, commission, authority, office, branch, section and political subdivision or other governmental or quasi-governmental entity ;

   C. have, within a three-year period preceding this bid, been convicted or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public federal, state or local contract; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

   D. are currently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of the offenses enumerated in paragraph (B) of this certification; and

   E. have, within a three-year period preceding this bid, had one or more public contracts (federal, state or local) terminated for cause or default.

5. The Bidder has a current, valid registration issued pursuant to the "Public Works Contractor Registration Act, "P.L. 1999, c. 238 (c. 34:11-56.48 et. seq)".

6. The Bidder has a current, valid Business Registration Certificate for State Agency and Casino Service Contractors issued by the NJ Department of Treasury to perform work in New Jersey.

7. The Bidder has current, valid contractor or trade licenses and permits required under applicable New Jersey law for any trade or specialty area in which the firm seeks to perform work.

8. That the Bidder will comply with Public Law 2005, Chapter 51 (N.J.S.A. 19:44A-20.13-20.25, superseding Executive Order 134 (2004)) and as amended by Executive Order 117 (2008), and submit a N.J. Division of Purchase and Property "Two-Year Chapter 51/Executive Order 117 Vendor Certification & Disclosure of Political Contributions" and "Ownership Disclosure Form" if awarded the bid.

9. That the Bidder is aware of its continuing responsibility to file an annual disclosure statement on "contributions" as that term is defined in P.L. 2005, c. 51 (formerly Executive Order 134 (2004)) or any "Business Entity," as that term is defined in P.L. 2005, c. 51, associated with the Bidder, on the "Disclosure of Political Contribution" form provided by the NJSDA, at the time such contribution is made." This applies to the contractor if the contractor receives contracts in excess of $50,000 from a public entity in a calendar year. It is the contractor's responsibility to determine if filing is necessary. Failure to so file can result in the imposition of financial penalties by ELEC. Additional information about this requirement is available from ELEC at 888-313-3532 or at www.elec.state.nj.us .

10. During the term of construction of the project(s) that comprise this package, the Bidder will have in place a suitable quality control and quality assurance program and an appropriate safety and health plan.

11. The amount of the Price Proposal and the value of the Bidder's outstanding incomplete contracts does not exceed the Bidder's Aggregate Rating.

12. **Where the Bidder is unable to certify to any of the statements in this certification, the Bidder shall explain below.**

_____

_____

IN WITNESS WHEREOF, the Bidder has caused this instrument to be signed, attested to and sealed.

Bidder: _____
(Legal Firm Name)

By: _____ _____
(Signature) (Printed or Typed Name)

Title: _____

Address: _____

_____

Telephone No.:_____

Fax No.: _____

Date: _____

Witness: _____

Affix Corporate

Printed or Typed Name: _____

Date: _____

END OF PRICE PROPOSAL

OFFICE Trenton, NJ

DRAWING NUMBER 151994-D3

3-CHAMBER DECONTAMINATION UNIT

OPTION TO CUT AN EGRESS FROM WING D

APPROXIMATE LOCATION OF FOUNDATION EMERGENCY EGRESS (EXCAVATION)

MAIN STEAM (2-LINES)

CONCRETE WALL

MAIN STEAM (6-LINES)

MAIN STEAM (3-LINES)

EMERGENCY EGRESS THROUGH FLOOR ABOVE

MAIN STEAM (6-LINES)

CONCRETE WALL

MAIN STEAM (3-LINES)

EMERGENCY EGRESS THROUGH FLOOR ABOVE

MAIN STEAM (1-LINE)

CONCRETE WALL

CONCRETE WALL

EMERGENCY EGRESS THROUGH FLOOR ABOVE

CONCRETE WALL

CONCRETE WALL

MAIN STEAM (1-LINE)

CONCRETE WALL

EMERGENCY EGRESS THROUGH FLOOR ABOVE

APPROXIMATE LOCATION OF FOUNDATION EMERGENCY EGRESS (OPTIONAL)

CONCRETE WALL

EMERGENCY EGRESS THROUGH FLOOR ABOVE

EMERGENCY EGRESS THROUGH FLOOR ABOVE

EMERGENCY EGRESS THROUGH FLOOR ABOVE

HOT AND COLD WATER INSULATED LINES

MAIN STEAM (2-LINES)

CONCRETE WALL

HOT AND COLD WATER INSULATED LINES

MAIN STEAM (3-LINES)

MAIN STEAM (3-LINES)

HOT AND COLD WATER INSULATED LINES

MAIN STEAM (2-LINES)

CONCRETE WALL

CONCRETE WALL

CONCRETE WALL

- BUILDING - A -

SYMBOLS.

- ELECT. CEILING OUTLETS.
- " SIDE OUTLETS.
- " CEILING OUTLETS TO BE BLANKED.
- " BASE RECEPT. (DUPLEX)
- " " " (DUPLEX)
- S " SWITCHES.
- C CLOCKS.
- FA FIRE ALARM.
- R RADIO OUTLET.
- T TELEPHONES.
- " (OUT SIDE)
- MOTOR OUTLETS
- GAS OUTLETS.
- VALVES.
- DRIP TRAPS.
- PHENOMATIC VALVES.
- SANITARY SEWER.
- STORM WATER C.I.
- " " TILE.
- COLD WATER.
- HOT WATER.
- GAS.

5' 0 5'

APPROX. SCALE: 1" = 5'

NOTE:

6 COMPLETE AIR EXCHANGES ARE REQUIRED FOR THIS MODIFIED CONTAINMENT. ESTIMATED NUMBER OF 2,000 CFM UNITS IS 15. (BASED ON A TOTAL VOLUME 295,460 CUBIC FEET.

DETAIL
EMERGENCY EGRESS 1ST FLOOR CRITICAL BARRIER
N.T.S.

LEGEND:

- MAIN STEAM
- HOT AND COLD WATER INSULATED LINES
- APPROXIMATE LOCATION OF 2,000 CFM NEGATIVE AIR UNIT (ADDITIONAL EGRESS OPENINGS MAYBE REQUIRED FOR EXHAUST TUBING)

ESTIMATED QUANTITIES

STEAM LINE M(12" PLUS 4" WITH RISER'S–3784 LINEAR FEET

HOT AND COLD WATER INSULATED LINES–3506 LINEAR FEET

CB&I Environmental & Infrastructure, Inc.
200 Horizon Center Boulevard
Trenton, New Jersey 08691

DESIGNED BY:	--
DRAWN BY:	A. Yanavicius
CHECKED BY:	M. Vallo
APPROVED BY:	M. Vallo

Trenton Central High School

FIGURE 1.0
Wing A Tunnel/Crawl Space Asbestos Containing Pipe Insulation Locations and Abatement Containment Details
TRENTON, NEW JERSEY

DATE:	SCALE:	DRAWING NO.	SHEET NO.
10/14/14	AS SHOWN	151994-D3	--

OFFICE Trenton, NJ

DRAWING NUMBER 151994-D3

EMERGENCY EGRESS OPENING

MAIN STEAM (1-LINE)

CONCRETE WALL

MAIN STEAM (2-LINES)

CONCRETE WALL

CONCRETE WALL

CONCRETE WALL

CONCRETE WALL

APPROXIMATE LOCATION OF EXCAVATED FOUNDATION EGRESS AREA

MAIN STEAM (1-LINE)

EMERGENCY EGRESS OPENING

MAIN STEAM (3-LINES)

CONCRETE WALL

APPROXIMATE LOCATION OF EXCAVATED FOUNDATION EGRESS AREA

CONCRETE WALL

CONCRETE WALL

MAIN STEAM (2-LINES)

CONCRETE WALL

CONCRETE WALL

EMERGENCY EGRESS OPENING

CONCRETE WALL

EMERGENCY EGRESS OPENING

MAIN STEAM (2-LINES)

EMERGENCY EGRESS OPENING

MAIN STEAM (1-LINE)

MAIN STEAM (1-LINE)

CONCRETE WALL

3-CHAMBER DECONTAMINATION UNIT

CONCRETE WALL

CONCRETE WALL

MAIN STEAM (3-LINES)

CONCRETE WALL

SYMBOLS:

- ELECT. CEILING OUTLETS. (CHOISE SEWER TO GREEN WOOD AVE.)
- " SIDE OUTLETS.
- " CEILING OUTLETS TO BE BLANKED.
- " BASE RECPT. (SINGLE)
- " " " (DOUBLE)
- 3 WAY " SWITCHES.
- CLOCKS.
- FIRE ALARM.
- RADIO OUTLET.
- TELEPHONES.
- " (OUTSIDE)
- MOTOR OUTLETS.
- GAS OUTLETS.
- VALVES.
- DRIP TRAPS.
- PNEUMATIC VALVES.
- SANITARY SEWER
- STORM DRAIN - C.I.
- " " TILE
- COLD WATER
- HOT WATER
- GAS

APPROX. SCALE: 1" = 5'

LEGEND:

- MAIN STEAM
- HOT AND COLD WATER INSULATED LINES
- APPROXIMATE LOCATION OF 2,000 CFM NEGATIVE AIR UNIT (ADDITIONAL EGRESS OPENINGS MAYBE REQUIRED FOR EXHAUST TUBING)

BUILDING "B"

SHOWING

HEATING, VENTILATING, ELECTRICAL & PLU

NOTE:

6 COMPLETE AIR EXCHANGES ARE REQUIRED FOR THIS MODIFIED CONTAINMENT. ESTIMATED NUMBER OF 2,000 CFM UNITS IS 9. (BASED ON A TOTAL VOLUME 166,380 CUBIC FEET.

ESTIMATED QUANTITIES

TOTAL STEAM LINES –2945 LINEAR FEET
TOTAL STEAM LINE RISERS –600 LINEAR FEET
HOT AND COLD WATER INSULATED LINES–1693 LINEAR FEET

CB&I Environmental & Infrastructure, Inc.
200 Horizon Center Boulevard
Trenton, New Jersey 08691

DESIGNED BY: --	Trenton Central High School
DRAWN BY: A. Yanavicius	FIGURE 2.0 Wing B Tunnel/Crawl Space Asbestos Containing Pipe Insulation Locations and Abatement Containment Details TRENTON, NEW JERSEY
CHECKED BY: M. Vollo	

APPROVED BY:	DATE:	SCALE:	DRAWING NO.	SHEET NO.
M. Vollo	8/18/14	AS SHOWN	151994-D3	--

OFFICE Trenton, NJ

DRAWING NUMBER 151994-D3

3-CHAMBER DECONTAMINATION UNIT

CONCRETE WALL

APPROXIMATE LOCATION OF FOUNDATION EMERGENCY EGRESS (EXCAVATION)

CONCRETE WALL

EMERGENCY EGRESS THROUGH FLOOR ABOVE

CONCRETE WALL

EMERGENCY EGRESS THROUGH FLOOR ABOVE

CONCRETE WALL

APPROXIMATE LOCATION OF FOUNDATION EMERGENCY EGRESS (EXCAVATION)

SYMBOLS.

- ELECT. CEIL. OUTLETS.
- " SIDE OUTLETS.
- " BASE RECPT. (SINGLE)
- " " " (DOUBLE)
- " SWITCHES.
- CLOCKS.
- FIRE ALARM.
- RADIO OUTLETS.
- TELEPHONES.
- " (OUT SIDE)
- MOTOR OUTLETS.
- GAS OUTLETS.
- VALVES.
- DRIP TRAPS.
- PNEUMATIC VALVES.
- SANITARY SEWER.
- STORM SEWER (C.I.)
- " (TILE)
- COLD WATER.
- HOT WATER.
- GAS.

- BUILDING - "C" -
- SHOWING -
- HEATING, VENTILATING, ELECTRICAL & PL
- CEMENT PLAN - "C"

- RUNYON & CAREY -
CONSULTING ENGINEERS
NEWARK, N.J.

5' 0 5'
APPROX. SCALE: 1" = 5'

LEGEND:

- MAIN STEAM
- HOT AND COLD WATER INSULATED LINES
- APPROXIMATE LOCATION OF 2,000 CFM NEGATIVE AIR UNIT (ADDITIONAL EGRESS OPENINGS MAYBE REQUIRED FOR EXHAUST TUBING)

ESTIMATED QUANTITIES

STEAM LINE PIPE INSULATION–2891 LINEAR FEET
RISER INSULATION–112 LINEAR FEET
HOT AND COLD WATER INSULATED LINES–1261 LINEAR FEET

NOTE:

6 COMPLETE AIR EXCHANGES ARE REQUIRED FOR THIS MODIFIED CONTAINMENT. ESTIMATED NUMBER OF 2,000 CFM UNITS IS 8. (BASED ON A TOTAL VOLUME 147,468 CUBIC FEET).

CB&I Environmental & Infrastructure, Inc.
200 Horizon Center Boulevard
Trenton, New Jersey 08691

DESIGNED BY: --	Trenton Central High School
DRAWN BY: A. Yanavicius	FIGURE 3.0 Wing C Tunnel/Crawl Space Asbestos Containing Pipe Insulation Locations and Abatement Containment Details TRENTON, NEW JERSEY
CHECKED BY: M. Vollo	

APPROVED BY:	DATE:	SCALE:	DRAWING NO.	SHEET NO.
M. Vollo	10/14/14	AS SHOWN	151994-D3	--

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-77515-1
Client Project/Site: NJSDA - Trenton Central High School

For:
Shaw Environmental &Infrastructure CB&I
200 Horizon Center Blvd.
Trenton, New Jersey 08691-1904

Attn: Mr. Nicholas Taylor

Authorized for release by:
6/19/2014 9:25:25 PM
Sarah Brown, Project Management Assistant II
(732)549-3900
sarah.brown@testamericainc.com

Designee for

Kristyn Morrison, Project Manager II
(732)549-3900
kristyn.morrison@testamericainc.com

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	Recovery or RPD exceeds control limits
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-77515-1

Laboratory: TestAmerica Edison

Narrative

CASE NARRATIVE

Client: Shaw Environmental &Infrastructure CB&I

Project: NJSDA - Trenton Central High School

Report Number: 460-77515-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 6/10/2014 9:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were prepared on 06/11/2014 and analyzed on 06/16/2014 and 06/17/2014.

Acetone and Methylene Chloride were detected in blank LB3 460-229938/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Acetone was detected in method blank MB 460-231011/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Surrogate recovery (Dibromofluoromethane) for the following sample was outside control limits: TCHS-S8 0-0.5 (460-77515-5). Surrogate recoveries for the other three system monitoring compounds were within control limits; therefore, re-analysis was not performed

The continuing calibration verification (CCV) associated with batch 231011 recovered outside control limits for the following analytes: Cyclohexane, Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Refer to the QC report for details.

Job ID: 460-77515-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 06/16/2014 and analyzed on 06/16/2014 and 06/17/2014.

The laboratory control sample (LCS) for batch 108577 recovered outside control limits for the following analyte: Atrazine. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for batch 108577 recovered outside control limits for the following analyte: Benzaldehyde. Benzaldehyde has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Atrazine failed the recovery criteria high for the MS and MSD of sample 460-77515-1 in batch 180-108659.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081A. The samples were prepared and analyzed on 06/16/2014.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 06/16/2014.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 06/12/2014 and analyzed on 06/13/2014 and 06/14/2014.

Surrogate recovery (DCAA 2,4-Dichlorophenylacetic acid) for the following samples was outside the upper control limit on the secondary column: TCHS-S1 0-0.5 (460-77515-1), TCHS-S7 0-0.5 (460-77515-3). These samples did not contain any target analytes; therefore,

Job ID: 460-77515-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

re-extraction and/or re-analysis was not performed.

Refer to the QC report for details.

No other difficulties were encountered during the herbicides analysis.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 06/12/2014 and analyzed on 06/13/2014.

No difficulties were encountered during the NJEPH analysis.

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH (Calculation). The samples were analyzed on 06/17/2014.

No difficulties were encountered during the extractable petroleum hydrocarbons (EPH) analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared and analyzed on 06/16/2014.

Antimony failed the recovery criteria low for the MS of sample 460-77735-5 in batch 460-231007. Several analytes failed the recovery criteria high.

Refer to the QC report for details.

Samples TCHS-S1 0-0.5 (460-77515-1)[4X], TCHS-S1 9.5-10 (460-77515-2)[4X], TCHS-S7 0-0.5 (460-77515-3)[4X], TCHS-S7 10-10.5 (460-77515-4)[4X], TCHS-S8 0-0.5 (460-77515-5)[4X], TCHS-S8 3-3.5 (460-77515-6)[4X], TCHS-S9 0-0.5 (460-77515-7)[4X], TCHS-S9 10-10.5 (460-77515-8)[4X], TCHS-S10 0-0.5 (460-77515-9)[4X] and TCHS-S10 10-10.5 (460-77515-10)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 06/13/2014.

Sample TCHS-S9 0-0.5 (460-77515-7)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Job ID: 460-77515-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples TCHS-S1 0-0.5 (460-77515-1), TCHS-S1 9.5-10 (460-77515-2), TCHS-S7 0-0.5 (460-77515-3), TCHS-S7 10-10.5 (460-77515-4), TCHS-S8 0-0.5 (460-77515-5), TCHS-S8 3-3.5 (460-77515-6), TCHS-S9 0-0.5 (460-77515-7), TCHS-S9 10-10.5 (460-77515-8), TCHS-S10 0-0.5 (460-77515-9) and TCHS-S10 10-10.5 (460-77515-10) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 06/12/2014.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S1 0-0.5 — Lab Sample ID: 460-77515-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.5	J B	5.8	2.0	ug/Kg	1	☼	8260C	Total/NA
Phenanthrene	100		73	12	ug/Kg	1	☼	8270D	Total/NA
Anthracene	15	J	73	7.2	ug/Kg	1	☼	8270D	Total/NA
Carbazole	9.7	J	73	6.7	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	170		73	7.8	ug/Kg	1	☼	8270D	Total/NA
Pyrene	140		73	7.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	64	J	73	9.2	ug/Kg	1	☼	8270D	Total/NA
Chrysene	92		73	8.7	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	180	J	730	59	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	83		73	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	46	J	73	15	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	60	J	73	7.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	56	J	73	7.3	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	46	J	73	7.5	ug/Kg	1	☼	8270D	Total/NA
Aluminum	8340		39.4	21.8	mg/Kg	4	☼	6010C	Total/NA
Arsenic	2.2	J	3.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Barium	24.3	J	39.4	1.7	mg/Kg	4	☼	6010C	Total/NA
Calcium	247	J	986	75.4	mg/Kg	4	☼	6010C	Total/NA
Cobalt	6.0	J	9.9	0.89	mg/Kg	4	☼	6010C	Total/NA
Chromium	16.2		2.0	0.79	mg/Kg	4	☼	6010C	Total/NA
Copper	29.5		4.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Iron	17400		29.6	24.5	mg/Kg	4	☼	6010C	Total/NA
Potassium	574	J	986	27.2	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2320		986	65.4	mg/Kg	4	☼	6010C	Total/NA
Manganese	132		3.0	0.85	mg/Kg	4	☼	6010C	Total/NA
Nickel	17.2		7.9	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	23.6		2.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Vanadium	15.5		9.9	0.82	mg/Kg	4	☼	6010C	Total/NA
Zinc	122		5.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.18		0.019	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TCHS-S1 9.5-10 — Lab Sample ID: 460-77515-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	210	J	720	58	ug/Kg	1	☼	8270D	Total/NA
Aluminum	10500		39.3	21.7	mg/Kg	4	☼	6010C	Total/NA
Barium	37.2	J	39.3	1.7	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.28	J	0.39	0.27	mg/Kg	4	☼	6010C	Total/NA
Calcium	100	J	981	75.1	mg/Kg	4	☼	6010C	Total/NA
Cobalt	7.4	J	9.8	0.89	mg/Kg	4	☼	6010C	Total/NA
Chromium	13.0		2.0	0.79	mg/Kg	4	☼	6010C	Total/NA
Copper	14.4		4.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Iron	12300		29.4	24.4	mg/Kg	4	☼	6010C	Total/NA
Potassium	665	J	981	27.1	mg/Kg	4	☼	6010C	Total/NA
Magnesium	3080		981	65.2	mg/Kg	4	☼	6010C	Total/NA
Manganese	97.2		2.9	0.85	mg/Kg	4	☼	6010C	Total/NA
Nickel	17.7		7.9	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	10.3		2.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Vanadium	10		9.8	0.81	mg/Kg	4	☼	6010C	Total/NA
Zinc	53.8		5.9	1.7	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S7 0-0.5

Lab Sample ID: 460-77515-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	35	J	79	9.0	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	24	J	79	7.5	ug/Kg	1	☼	8270D	Total/NA
Fluorene	30	J	79	10	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	360		79	12	ug/Kg	1	☼	8270D	Total/NA
Anthracene	100		79	7.7	ug/Kg	1	☼	8270D	Total/NA
Carbazole	31	J	79	7.2	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	770		79	8.4	ug/Kg	1	☼	8270D	Total/NA
Pyrene	610		79	7.9	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	130	J	390	53	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	340		79	9.8	ug/Kg	1	☼	8270D	Total/NA
Chrysene	400		79	9.3	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	490	J	790	63	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	380		79	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	190		79	16	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	330		79	7.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	340		79	7.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	260		79	8.1	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	88		79	8.7	ug/Kg	1	☼	8270D	Total/NA
Total Aromatics	41		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total Aliphatics	66		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total EPH	110		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Aluminum	7960		43.9	24.2	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.6		3.3	0.90	mg/Kg	4	☼	6010C	Total/NA
Barium	21.2	J	43.9	1.9	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.31	J	0.44	0.30	mg/Kg	4	☼	6010C	Total/NA
Calcium	492	J	1100	83.9	mg/Kg	4	☼	6010C	Total/NA
Cobalt	7.0	J	11.0	0.99	mg/Kg	4	☼	6010C	Total/NA
Chromium	11.6		2.2	0.88	mg/Kg	4	☼	6010C	Total/NA
Copper	17.7		5.5	1.9	mg/Kg	4	☼	6010C	Total/NA
Iron	17800		32.9	27.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	587	J	1100	30.3	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2610		1100	72.8	mg/Kg	4	☼	6010C	Total/NA
Manganese	272		3.3	0.95	mg/Kg	4	☼	6010C	Total/NA
Nickel	16.6		8.8	2.0	mg/Kg	4	☼	6010C	Total/NA
Lead	29.3		2.2	0.90	mg/Kg	4	☼	6010C	Total/NA
Vanadium	13.8		11.0	0.91	mg/Kg	4	☼	6010C	Total/NA
Zinc	48.6		6.6	1.9	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.11		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C12-C16 Aliphatics	3.7		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C9-C12 Aliphatics	6.7		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aliphatics	4.6		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C40 Aliphatics	51		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aromatics	6.8		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C10-C12 Aromatics	4.7		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C12-C16 Aromatics	3.3		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C36 Aromatic	26		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA

Client Sample ID: TCHS-S7 10-10.5

Lab Sample ID: 460-77515-4

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Client Sample ID: TCHS-S7 10-10.5 (Continued)

Lab Sample ID: 460-77515-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.7	J	5.6	0.71	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	240	J	690	55	ug/Kg	1	☼	8270D	Total/NA
Aluminum	4100		41.2	22.8	mg/Kg	4	☼	6010C	Total/NA
Barium	7.8	J	41.2	1.8	mg/Kg	4	☼	6010C	Total/NA
Calcium	184	J	1030	78.8	mg/Kg	4	☼	6010C	Total/NA
Cobalt	1.8	J	10.3	0.93	mg/Kg	4	☼	6010C	Total/NA
Chromium	14.3		2.1	0.83	mg/Kg	4	☼	6010C	Total/NA
Copper	2.6	J	5.2	1.8	mg/Kg	4	☼	6010C	Total/NA
Iron	4120		30.9	25.7	mg/Kg	4	☼	6010C	Total/NA
Potassium	533	J	1030	28.4	mg/Kg	4	☼	6010C	Total/NA
Magnesium	999	J	1030	68.4	mg/Kg	4	☼	6010C	Total/NA
Manganese	101		3.1	0.89	mg/Kg	4	☼	6010C	Total/NA
Nickel	5.2	J	8.2	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	7.9		2.1	0.85	mg/Kg	4	☼	6010C	Total/NA
Vanadium	5.5	J	10.3	0.85	mg/Kg	4	☼	6010C	Total/NA
Zinc	13.5		6.2	1.8	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-S8 0-0.5

Lab Sample ID: 460-77515-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	11		6.0	0.75	ug/Kg	1	☼	8260C	Total/NA
Acetone	55	B	6.0	2.0	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	0.34	J	1.2	0.18	ug/Kg	1	☼	8260C	Total/NA
Acenaphthylene	15	J	73	8.4	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	11	J	73	7.0	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	120		73	12	ug/Kg	1	☼	8270D	Total/NA
Anthracene	22	J	73	7.1	ug/Kg	1	☼	8270D	Total/NA
Carbazole	10	J	73	6.7	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	280		73	7.8	ug/Kg	1	☼	8270D	Total/NA
Pyrene	230		73	7.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	170		73	9.2	ug/Kg	1	☼	8270D	Total/NA
Chrysene	160		73	8.7	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	390	J	730	59	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	180		73	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	93		73	15	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	120		73	7.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	120		73	7.3	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	93		73	7.5	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	27	J	73	8.1	ug/Kg	1	☼	8270D	Total/NA
Aluminum	8840		43.2	23.9	mg/Kg	4	☼	6010C	Total/NA
Arsenic	6.5		3.2	0.89	mg/Kg	4	☼	6010C	Total/NA
Barium	82.7		43.2	1.9	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.48		0.43	0.29	mg/Kg	4	☼	6010C	Total/NA
Calcium	12800		1080	82.7	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.8	J	10.8	0.97	mg/Kg	4	☼	6010C	Total/NA
Chromium	16.3		2.2	0.87	mg/Kg	4	☼	6010C	Total/NA
Copper	56.2		5.4	1.9	mg/Kg	4	☼	6010C	Total/NA
Iron	17500		32.4	26.9	mg/Kg	4	☼	6010C	Total/NA
Potassium	691	J	1080	29.8	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2650		1080	71.8	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S8 0-0.5 (Continued) — Lab Sample ID: 460-77515-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	338		3.2	0.93	mg/Kg	4	☼	6010C	Total/NA
Sodium	131	J	1080	81.7	mg/Kg	4	☼	6010C	Total/NA
Nickel	14.3		8.6	1.9	mg/Kg	4	☼	6010C	Total/NA
Lead	107		2.2	0.89	mg/Kg	4	☼	6010C	Total/NA
Vanadium	16.5		10.8	0.89	mg/Kg	4	☼	6010C	Total/NA
Zinc	124		6.5	1.8	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.27		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TCHS-S8 3-3.5 — Lab Sample ID: 460-77515-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	34	J	75	7.9	ug/Kg	1	☼	8270D	Total/NA
Pyrene	38	J	75	7.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	25	J	75	9.3	ug/Kg	1	☼	8270D	Total/NA
Chrysene	31	J	75	8.9	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	230	J	750	60	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	25	J	75	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	23	J	75	15	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	22	J	75	7.4	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	14	J	75	7.7	ug/Kg	1	☼	8270D	Total/NA
Aluminum	7990		42.4	23.5	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.7		3.2	0.87	mg/Kg	4	☼	6010C	Total/NA
Barium	58.3		42.4	1.8	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.37	J	0.42	0.29	mg/Kg	4	☼	6010C	Total/NA
Calcium	652	J	1060	81.2	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.3	J	10.6	0.96	mg/Kg	4	☼	6010C	Total/NA
Chromium	11.0		2.1	0.85	mg/Kg	4	☼	6010C	Total/NA
Copper	30.2		5.3	1.9	mg/Kg	4	☼	6010C	Total/NA
Iron	15400		31.8	26.4	mg/Kg	4	☼	6010C	Total/NA
Potassium	472	J	1060	29.3	mg/Kg	4	☼	6010C	Total/NA
Magnesium	1840		1060	70.5	mg/Kg	4	☼	6010C	Total/NA
Manganese	395		3.2	0.91	mg/Kg	4	☼	6010C	Total/NA
Nickel	12.7		8.5	1.9	mg/Kg	4	☼	6010C	Total/NA
Lead	55.4		2.1	0.87	mg/Kg	4	☼	6010C	Total/NA
Vanadium	15.9		10.6	0.88	mg/Kg	4	☼	6010C	Total/NA
Zinc	91.4		6.4	1.8	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.12		0.019	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TCHS-S9 0-0.5 — Lab Sample ID: 460-77515-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.54	J B	1.4	0.21	ug/Kg	1	☼	8260C	Total/NA
Fluoranthene	28	J	72	7.6	ug/Kg	1	☼	8270D	Total/NA
Pyrene	24	J	72	7.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	20	J	72	8.9	ug/Kg	1	☼	8270D	Total/NA
Chrysene	20	J	72	8.5	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	250	J	720	58	ug/Kg	1	☼	8270D	Total/NA
Aluminum	8920		40.5	22.4	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.2		3.0	0.83	mg/Kg	4	☼	6010C	Total/NA
Barium	67.4		40.5	1.8	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S9 0-0.5 (Continued) — Lab Sample ID: 460-77515-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.46		0.40	0.28	mg/Kg	4	☼	6010C	Total/NA
Calcium	665	J	1010	77.5	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.1	J	10.1	0.91	mg/Kg	4	☼	6010C	Total/NA
Chromium	11.9		2.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Copper	11.5		5.1	1.8	mg/Kg	4	☼	6010C	Total/NA
Iron	15300		30.4	25.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	373	J	1010	27.9	mg/Kg	4	☼	6010C	Total/NA
Magnesium	1720		1010	67.2	mg/Kg	4	☼	6010C	Total/NA
Manganese	381		3.0	0.87	mg/Kg	4	☼	6010C	Total/NA
Nickel	12.3		8.1	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	23.8		2.0	0.83	mg/Kg	4	☼	6010C	Total/NA
Vanadium	14.8		10.1	0.84	mg/Kg	4	☼	6010C	Total/NA
Zinc	39.6		6.1	1.7	mg/Kg	4	☼	6010C	Total/NA
Mercury	1.3		0.035	0.024	mg/Kg	2	☼	7471B	Total/NA

Client Sample ID: TCHS-S9 10-10.5 — Lab Sample ID: 460-77515-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.30	J B	1.1	0.17	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	220	J	730	58	ug/Kg	1	☼	8270D	Total/NA
Aluminum	6490		39.7	21.9	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.3		3.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Barium	27.0	J	39.7	1.7	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.30	J	0.40	0.27	mg/Kg	4	☼	6010C	Total/NA
Calcium	411	J	991	75.8	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.3	J	9.9	0.89	mg/Kg	4	☼	6010C	Total/NA
Chromium	13.2		2.0	0.79	mg/Kg	4	☼	6010C	Total/NA
Copper	14.0		5.0	1.7	mg/Kg	4	☼	6010C	Total/NA
Iron	14400		29.7	24.7	mg/Kg	4	☼	6010C	Total/NA
Potassium	510	J	991	27.4	mg/Kg	4	☼	6010C	Total/NA
Magnesium	1840		991	65.8	mg/Kg	4	☼	6010C	Total/NA
Manganese	236		3.0	0.85	mg/Kg	4	☼	6010C	Total/NA
Nickel	14.1		7.9	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	27.7		2.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Vanadium	12.4		9.9	0.82	mg/Kg	4	☼	6010C	Total/NA
Zinc	48.9		5.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.13		0.017	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TCHS-S10 0-0.5 — Lab Sample ID: 460-77515-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.6	J B	5.5	1.8	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	0.19	J B	1.1	0.16	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.22	J	1.1	0.15	ug/Kg	1	☼	8260C	Total/NA
Acenaphthylene	21	J	76	8.7	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	11	J	76	7.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	110		76	12	ug/Kg	1	☼	8270D	Total/NA
Anthracene	27	J	76	7.4	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	260		76	8.1	ug/Kg	1	☼	8270D	Total/NA
Pyrene	210		76	7.7	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S10 0-0.5 (Continued)

Lab Sample ID: 460-77515-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	150		76	9.5	ug/Kg	1	☼	8270D	Total/NA
Chrysene	160		76	9.0	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	250	J	760	61	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	140		76	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	130		76	15	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	140		76	7.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	130		76	7.6	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	120		76	7.8	ug/Kg	1	☼	8270D	Total/NA
Total Aromatics	47		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total Aliphatics	68		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total EPH	110		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Aluminum	10600		43.0	23.7	mg/Kg	4	☼	6010C	Total/NA
Arsenic	1.8	J	3.2	0.88	mg/Kg	4	☼	6010C	Total/NA
Barium	60.9		43.0	1.9	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.31	J	0.43	0.29	mg/Kg	4	☼	6010C	Total/NA
Calcium	5040		1070	82.2	mg/Kg	4	☼	6010C	Total/NA
Cobalt	17.0		10.7	0.97	mg/Kg	4	☼	6010C	Total/NA
Chromium	7.6		2.1	0.86	mg/Kg	4	☼	6010C	Total/NA
Copper	97.5		5.4	1.9	mg/Kg	4	☼	6010C	Total/NA
Iron	31000		32.2	26.8	mg/Kg	4	☼	6010C	Total/NA
Potassium	458	J	1070	29.7	mg/Kg	4	☼	6010C	Total/NA
Magnesium	6510		1070	71.3	mg/Kg	4	☼	6010C	Total/NA
Manganese	459		3.2	0.93	mg/Kg	4	☼	6010C	Total/NA
Sodium	775	J	1070	81.2	mg/Kg	4	☼	6010C	Total/NA
Nickel	16.0		8.6	1.9	mg/Kg	4	☼	6010C	Total/NA
Lead	42.3		2.1	0.88	mg/Kg	4	☼	6010C	Total/NA
Vanadium	62.7		10.7	0.89	mg/Kg	4	☼	6010C	Total/NA
Zinc	88.4		6.4	1.8	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.41		0.019	0.014	mg/Kg	1	☼	7471B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C12-C16 Aliphatics	4.0		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C9-C12 Aliphatics	11		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aliphatics	5.1		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C40 Aliphatics	48		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aromatics	9.0		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C10-C12 Aromatics	6.0		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C12-C16 Aromatics	3.8		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C36 Aromatic	28		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA

Client Sample ID: TCHS-S10 10-10.5

Lab Sample ID: 460-77515-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.15	J B	0.96	0.14	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.18	J	0.96	0.13	ug/Kg	1	☼	8260C	Total/NA
Fluoranthene	31	J	74	7.9	ug/Kg	1	☼	8270D	Total/NA
Pyrene	26	J	74	7.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	21	J	74	9.3	ug/Kg	1	☼	8270D	Total/NA
Chrysene	22	J	74	8.8	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	230	J	740	60	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	21	J	74	12	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S10 10-10.5 (Continued)

Lab Sample ID: 460-77515-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9620		39.3	21.7	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.2		2.9	0.80	mg/Kg	4	☼	6010C	Total/NA
Barium	35.7	J	39.3	1.7	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.53		0.39	0.27	mg/Kg	4	☼	6010C	Total/NA
Calcium	972	J	983	75.2	mg/Kg	4	☼	6010C	Total/NA
Cobalt	4.6	J	9.8	0.89	mg/Kg	4	☼	6010C	Total/NA
Chromium	31.5		2.0	0.79	mg/Kg	4	☼	6010C	Total/NA
Copper	21.0		4.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Iron	16200		29.5	24.5	mg/Kg	4	☼	6010C	Total/NA
Potassium	681	J	983	27.1	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2560		983	65.3	mg/Kg	4	☼	6010C	Total/NA
Manganese	135		2.9	0.85	mg/Kg	4	☼	6010C	Total/NA
Nickel	19.3		7.9	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	20.0		2.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Vanadium	11.9		9.8	0.81	mg/Kg	4	☼	6010C	Total/NA
Zinc	52.4		5.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.28		0.017	0.012	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S1 0-0.5
Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-1
Matrix: Solid
Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.15	U	1.2	0.15	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,1,2,2-Tetrachloroethane	0.11	U	1.2	0.11	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,1,2-Trichloroethane	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,1-Dichloroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,1-Dichloroethene	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,2,3-Trichlorobenzene	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,2,4-Trichlorobenzene	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,2-Dichloropropane	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,3-Dichlorobenzene	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,4-Dichlorobenzene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,4-Dioxane	15	U	23	15	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
2-Butanone (MEK)	0.74	U	5.8	0.74	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
2-Hexanone	0.15	U	5.8	0.15	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
4-Methyl-2-pentanone (MIBK)	0.23	U	5.8	0.23	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Acetone	**3.5**	**J B**	5.8	2.0	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Benzene	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Bromoform	0.20	U	1.2	0.20	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Bromomethane	0.50	U	1.2	0.50	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Carbon disulfide	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Carbon tetrachloride	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Chlorobenzene	0.21	U	1.2	0.21	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Chlorobromomethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Chlorodibromomethane	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Chloroethane	0.39	U	1.2	0.39	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Chloroform	0.28	U	1.2	0.28	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Chloromethane	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
cis-1,2-Dichloroethene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
cis-1,3-Dichloropropene	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Cyclohexane	0.15	U	1.2	0.15	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Dichlorobromomethane	0.37	U	1.2	0.37	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Dichlorodifluoromethane	0.26	U	1.2	0.26	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Ethylbenzene	0.20	U	1.2	0.20	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Ethylene Dibromide	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Isopropylbenzene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Methyl acetate	0.37	U	5.8	0.37	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Methyl tert-butyl ether	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Methylcyclohexane	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Methylene Chloride	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
m-Xylene & p-Xylene	0.69	U	1.2	0.69	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
o-Xylene	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Styrene	0.33	U	1.2	0.33	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Tetrachloroethene	0.14	U	1.2	0.14	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Toluene	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
trans-1,2-Dichloroethene	0.15	U	1.2	0.15	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
2-Methyl-2-propanol	3.6	U	12	3.6	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
trans-1,3-Dichloropropene	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Trichloroethene	0.14	U	1.2	0.14	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
Trichlorofluoromethane	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1

Client Sample ID: TCHS-S1 0-0.5
Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-1
Matrix: Solid
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.40	U	1.2	0.40	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,2-Dichloroethane	0.21	U	1.2	0.21	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,2-Dichlorobenzene	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,2-Dibromo-3-Chloropropane	0.51	U	1.2	0.51	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1
1,1,1,2-Tetrachloroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:13	06/16/14 23:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 13:13*	*06/16/14 23:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*06/11/14 13:13*	*06/16/14 23:13*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*	*06/11/14 13:13*	*06/16/14 23:13*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*06/11/14 13:13*	*06/16/14 23:13*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*06/11/14 13:13*	*06/16/14 23:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	55	U *	360	55	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Phenol	8.6	U	73	8.6	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Bis(2-chloroethyl)ether	9.8	U	73	9.8	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2-Chlorophenol	30	U	360	30	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2-Methylphenol	26	U	360	26	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2,2'-oxybis[1-chloropropane]	7.9	U	73	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Acetophenone	30	U	360	30	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Methylphenol, 3 & 4	36	U	360	36	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
N-Nitrosodi-n-propylamine	8.6	U	73	8.6	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Hexachloroethane	26	U	360	26	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Nitrobenzene	30	U	730	30	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Isophorone	28	U	360	28	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2-Nitrophenol	40	U	360	40	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2,4-Dimethylphenol	57	U	360	57	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Bis(2-chloroethoxy)methane	24	U	360	24	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2,4-Dichlorophenol	7.3	U	73	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Naphthalene	6.3	U	73	6.3	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
4-Chloroaniline	29	U	360	29	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Hexachlorobutadiene	8.2	U	73	8.2	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Caprolactam	280	U	1900	280	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
4-Chloro-3-methylphenol	34	U	360	34	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2-Methylnaphthalene	6.6	U	73	6.6	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Hexachlorocyclopentadiene	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2,4,5-Trichlorophenol	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2,4,6-Trichlorophenol	55	U	360	55	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
1,1'-Biphenyl	33	U	360	33	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2-Chloronaphthalene	7.6	U	73	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2-Nitroaniline	160	U	1900	160	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Dimethyl phthalate	40	U	360	40	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2,6-Dinitrotoluene	38	U	360	38	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Acenaphthylene	8.4	U	73	8.4	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
3-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Acenaphthene	7.0	U	73	7.0	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1

Client Sample ID: TCHS-S1 0-0.5
Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-1
Matrix: Solid
Percent Solids: 90.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	440	U	1900	440	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
4-Nitrophenol	130	U	1900	130	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Dibenzofuran	36	U	360	36	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2,4-Dinitrotoluene	30	U	360	30	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Diethyl phthalate	40	U	360	40	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Fluorene	9.6	U	73	9.6	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
4-Chlorophenyl phenyl ether	41	U	360	41	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
4-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
4,6-Dinitro-2-methylphenol	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
N-Nitrosodiphenylamine	34	U	360	34	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
1,2,4,5-Tetrachlorobenzene	28	U	360	28	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
4-Bromophenyl phenyl ether	32	U	360	32	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Hexachlorobenzene	7.8	U	73	7.8	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Atrazine	36	U *	360	36	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Pentachlorophenol	33	U	360	33	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Phenanthrene	**100**		73	12	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Anthracene	**15**	**J**	73	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Carbazole	**9.7**	**J**	73	6.7	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Di-n-butyl phthalate	46	U	360	46	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Fluoranthene	**170**		73	7.8	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Pyrene	**140**		73	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Butyl benzyl phthalate	50	U	360	50	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
3,3'-Dichlorobenzidine	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Benzo[a]anthracene	**64**	**J**	73	9.2	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Chrysene	**92**		73	8.7	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Bis(2-ethylhexyl) phthalate	**180**	**J**	730	59	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Di-n-octyl phthalate	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Benzo[b]fluoranthene	**83**		73	12	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Benzo[k]fluoranthene	**46**	**J**	73	15	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Benzo[a]pyrene	**60**	**J**	73	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Benzo[g,h,i]perylene	**56**	**J**	73	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Indeno[1,2,3-cd]pyrene	**46**	**J**	73	7.5	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
Dibenz(a,h)anthracene	8.1	U	73	8.1	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1
2,3,4,6-Tetrachlorophenol	24	U	360	24	ug/Kg	☼	06/16/14 03:20	06/16/14 14:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*360*	*J*	*ug/Kg*	☼	*10.31*		*06/16/14 03:20*	*06/16/14 14:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*25 - 104*	*06/16/14 03:20*	*06/16/14 14:11*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*35 - 124*	*06/16/14 03:20*	*06/16/14 14:11*	*1*
2-Fluorophenol (Surr)	*60*		*39 - 103*	*06/16/14 03:20*	*06/16/14 14:11*	*1*
2-Fluorobiphenyl	*59*		*35 - 105*	*06/16/14 03:20*	*06/16/14 14:11*	*1*
Phenol-d5 (Surr)	*62*		*25 - 105*	*06/16/14 03:20*	*06/16/14 14:11*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*06/16/14 03:20*	*06/16/14 14:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
4,4'-DDE	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1

Client Sample ID: TCHS-S1 0-0.5
Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-1
Matrix: Solid
Percent Solids: 90.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Aldrin	1.5	U	7.4	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
alpha-BHC	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
beta-BHC	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Chlordane (technical)	21	U	74	21	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
delta-BHC	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Dieldrin	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Endosulfan I	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Endosulfan II	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Endosulfan sulfate	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Endrin	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Endrin aldehyde	1.1	U	7.4	1.1	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Endrin ketone	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
gamma-BHC (Lindane)	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Heptachlor	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Heptachlor epoxide	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Methoxychlor	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1
Toxaphene	20	U	74	20	ug/Kg	☼	06/16/14 05:53	06/16/14 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*76 - 149*	*06/16/14 05:53*	*06/16/14 15:14*	*1*
DCB Decachlorobiphenyl	*114*		*76 - 149*	*06/16/14 05:53*	*06/16/14 15:14*	*1*
Tetrachloro-m-xylene	*112*		*72 - 136*	*06/16/14 05:53*	*06/16/14 15:14*	*1*
Tetrachloro-m-xylene	*106*		*72 - 136*	*06/16/14 05:53*	*06/16/14 15:14*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Aroclor 1221	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Aroclor 1232	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Aroclor 1242	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Aroclor 1248	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Aroclor 1254	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Aroclor 1260	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Aroclor-1262	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Aroclor 1268	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1
Polychlorinated biphenyls, Total	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*53 - 150*	*06/16/14 05:24*	*06/16/14 15:20*	*1*
DCB Decachlorobiphenyl	*104*		*53 - 150*	*06/16/14 05:24*	*06/16/14 15:20*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.4	U	19	2.4	ug/Kg	☼	06/12/14 20:27	06/13/14 14:18	1
Silvex (2,4,5-TP)	2.0	U	19	2.0	ug/Kg	☼	06/12/14 20:27	06/13/14 14:18	1
2,4,5-T	3.8	U	19	3.8	ug/Kg	☼	06/12/14 20:27	06/13/14 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*147*		*69 - 150*	*06/12/14 20:27*	*06/13/14 14:18*	*1*
2,4-Dichlorophenylacetic acid	*152*	*X*	*69 - 150*	*06/12/14 20:27*	*06/13/14 14:18*	*1*

Client Sample ID: TCHS-S1 0-0.5
Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-1
Matrix: Solid

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:03	1
C9-C12 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:03	1
C16-C21 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:03	1
C21-C40 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:03	1
C16-C21 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:03	1
C10-C12 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:03	1
C12-C16 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:03	1
C21-C36 Aromatic	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:03*	*1*
2-Fluorobiphenyl	*85*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:03*	*1*
2-Bromonaphthalene	*73*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:03*	*1*
1-Chlorooctadecane	*56*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.38	U	2.0	0.38	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Aluminum	**8340**		39.4	21.8	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Arsenic	**2.2**	**J**	3.0	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Barium	**24.3**	**J**	39.4	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Beryllium	0.27	U	0.39	0.27	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Calcium	**247**	**J**	986	75.4	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Cadmium	0.28	U	0.79	0.28	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Cobalt	**6.0**	**J**	9.9	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Chromium	**16.2**		2.0	0.79	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Copper	**29.5**		4.9	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Iron	**17400**		29.6	24.5	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Potassium	**574**	**J**	986	27.2	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Magnesium	**2320**		986	65.4	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Manganese	**132**		3.0	0.85	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Sodium	74.5	U	986	74.5	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Nickel	**17.2**		7.9	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Lead	**23.6**		2.0	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Antimony	1.5	U	3.9	1.5	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Selenium	1.1	U	3.9	1.1	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Thallium	1.9	U	3.9	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Vanadium	**15.5**		9.9	0.82	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4
Zinc	**122**		5.9	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 15:41	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.18**		0.019	0.013	mg/Kg	☼	06/13/14 05:30	06/13/14 09:42	1

Client Sample ID: TCHS-S1 0-0.5

Lab Sample ID: 460-77515-1

Date Collected: 06/10/14 16:00

Matrix: Solid

Date Received: 06/10/14 21:20

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.4		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	90.6		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S1 9.5-10

Lab Sample ID: 460-77515-2

Date Collected: 06/10/14 16:00

Matrix: Solid

Date Received: 06/10/14 21:20

Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,1,2,2-Tetrachloroethane	0.12	U	1.3	0.12	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,1,2-Trichloroethane	0.19	U	1.3	0.19	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,1-Dichloroethane	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,1-Dichloroethene	0.26	U	1.3	0.26	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,2,3-Trichlorobenzene	0.22	U	1.3	0.22	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,2,4-Trichlorobenzene	0.26	U	1.3	0.26	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,2-Dichloropropane	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,3-Dichlorobenzene	0.22	U	1.3	0.22	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,4-Dichlorobenzene	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,4-Dioxane	17	U	27	17	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
2-Butanone (MEK)	0.85	U	6.7	0.85	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
2-Hexanone	0.17	U	6.7	0.17	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
4-Methyl-2-pentanone (MIBK)	0.27	U	6.7	0.27	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Acetone	2.3	U	6.7	2.3	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Benzene	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Bromoform	0.23	U	1.3	0.23	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Bromomethane	0.58	U	1.3	0.58	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Carbon disulfide	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Carbon tetrachloride	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Chlorobenzene	0.24	U	1.3	0.24	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Chlorobromomethane	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Chlorodibromomethane	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Chloroethane	0.44	U	1.3	0.44	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Chloroform	0.32	U	1.3	0.32	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Chloromethane	0.22	U	1.3	0.22	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
cis-1,2-Dichloroethene	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
cis-1,3-Dichloropropene	0.19	U	1.3	0.19	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Cyclohexane	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Dichlorobromomethane	0.43	U	1.3	0.43	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Dichlorodifluoromethane	0.30	U	1.3	0.30	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Ethylbenzene	0.23	U	1.3	0.23	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Ethylene Dibromide	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Isopropylbenzene	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Methyl acetate	0.43	U	6.7	0.43	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Methyl tert-butyl ether	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Methylcyclohexane	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Methylene Chloride	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
m-Xylene & p-Xylene	0.79	U	1.3	0.79	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
o-Xylene	0.26	U	1.3	0.26	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1

Client Sample ID: TCHS-S1 9.5-10
Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-2
Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.38	U	1.3	0.38	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Tetrachloroethene	0.16	U	1.3	0.16	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Toluene	0.19	U	1.3	0.19	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
trans-1,2-Dichloroethene	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
2-Methyl-2-propanol	4.2	U	13	4.2	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
trans-1,3-Dichloropropene	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Trichloroethene	0.16	U	1.3	0.16	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Trichlorofluoromethane	0.22	U	1.3	0.22	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
Vinyl chloride	0.46	U	1.3	0.46	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,2-Dichloroethane	0.24	U	1.3	0.24	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,2-Dichlorobenzene	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,2-Dibromo-3-Chloropropane	0.59	U	1.3	0.59	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1
1,1,1,2-Tetrachloroethane	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 13:14	06/16/14 23:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 13:14*	*06/16/14 23:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*	*06/11/14 13:14*	*06/16/14 23:38*	*1*
4-Bromofluorobenzene	*74*		*70 - 130*	*06/11/14 13:14*	*06/16/14 23:38*	*1*
Dibromofluoromethane (Surr)	*79*		*70 - 130*	*06/11/14 13:14*	*06/16/14 23:38*	*1*
Toluene-d8 (Surr)	*76*		*70 - 130*	*06/11/14 13:14*	*06/16/14 23:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	53	U *	350	53	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Phenol	8.4	U	72	8.4	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Bis(2-chloroethyl)ether	9.6	U	72	9.6	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2-Chlorophenol	29	U	350	29	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2-Methylphenol	25	U	350	25	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,2'-oxybis[1-chloropropane]	7.7	U	72	7.7	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Acetophenone	29	U	350	29	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Methylphenol, 3 & 4	35	U	350	35	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
N-Nitrosodi-n-propylamine	8.4	U	72	8.4	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Hexachloroethane	26	U	350	26	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Nitrobenzene	30	U	720	30	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Isophorone	27	U	350	27	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2-Nitrophenol	39	U	350	39	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,4-Dimethylphenol	56	U	350	56	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Bis(2-chloroethoxy)methane	23	U	350	23	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,4-Dichlorophenol	7.2	U	72	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Naphthalene	6.2	U	72	6.2	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
4-Chloroaniline	29	U	350	29	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Hexachlorobutadiene	8.0	U	72	8.0	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Caprolactam	270	U	1800	270	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
4-Chloro-3-methylphenol	33	U	350	33	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2-Methylnaphthalene	6.4	U	72	6.4	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Hexachlorocyclopentadiene	38	U	350	38	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,4,5-Trichlorophenol	38	U	350	38	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,4,6-Trichlorophenol	53	U	350	53	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1

Client Sample ID: TCHS-S1 9.5-10
Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-2
Matrix: Solid
Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	32	U	350	32	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2-Chloronaphthalene	7.4	U	72	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2-Nitroaniline	160	U	1800	160	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Dimethyl phthalate	39	U	350	39	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,6-Dinitrotoluene	37	U	350	37	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Acenaphthylene	8.2	U	72	8.2	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
3-Nitroaniline	150	U	1800	150	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Acenaphthene	6.9	U	72	6.9	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,4-Dinitrophenol	420	U	1800	420	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
4-Nitrophenol	130	U	1800	130	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Dibenzofuran	35	U	350	35	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,4-Dinitrotoluene	29	U	350	29	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Diethyl phthalate	39	U	350	39	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Fluorene	9.4	U	72	9.4	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
4-Chlorophenyl phenyl ether	40	U	350	40	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
4-Nitroaniline	140	U	1800	140	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
4,6-Dinitro-2-methylphenol	140	U	1800	140	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
N-Nitrosodiphenylamine	33	U	350	33	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
1,2,4,5-Tetrachlorobenzene	27	U	350	27	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
4-Bromophenyl phenyl ether	31	U	350	31	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Hexachlorobenzene	7.6	U	72	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Atrazine	35	U *	350	35	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Pentachlorophenol	32	U	350	32	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Phenanthrene	11	U	72	11	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Anthracene	7.0	U	72	7.0	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Carbazole	6.6	U	72	6.6	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Di-n-butyl phthalate	45	U	350	45	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Fluoranthene	7.6	U	72	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Pyrene	7.2	U	72	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Butyl benzyl phthalate	49	U	350	49	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
3,3'-Dichlorobenzidine	38	U	350	38	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Benzo[a]anthracene	8.9	U	72	8.9	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Chrysene	8.5	U	72	8.5	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Bis(2-ethylhexyl) phthalate	**210**	**J**	720	58	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Di-n-octyl phthalate	38	U	350	38	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Benzo[b]fluoranthene	11	U	72	11	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Benzo[k]fluoranthene	14	U	72	14	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Benzo[a]pyrene	7.1	U	72	7.1	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Benzo[g,h,i]perylene	7.1	U	72	7.1	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Indeno[1,2,3-cd]pyrene	7.4	U	72	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
Dibenz(a,h)anthracene	7.9	U	72	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1
2,3,4,6-Tetrachlorophenol	23	U	350	23	ug/Kg	☼	06/16/14 03:20	06/16/14 15:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*180*	*J*	*ug/Kg*	☼	*10.32*		*06/16/14 03:20*	*06/16/14 15:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*	*06/16/14 03:20*	*06/16/14 15:41*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 124*	*06/16/14 03:20*	*06/16/14 15:41*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*06/16/14 03:20*	*06/16/14 15:41*	*1*

Client Sample ID: TCHS-S1 9.5-10
Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-2
Matrix: Solid
Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*69*		*35 - 105*	*06/16/14 03:20*	*06/16/14 15:41*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*06/16/14 03:20*	*06/16/14 15:41*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*06/16/14 03:20*	*06/16/14 15:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
4,4'-DDE	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
4,4'-DDT	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Aldrin	1.5	U	7.2	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
alpha-BHC	1.6	U	7.2	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
beta-BHC	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Chlordane (technical)	20	U	72	20	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
delta-BHC	1.3	U	7.2	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Dieldrin	1.3	U	7.2	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Endosulfan I	1.6	U	7.2	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Endosulfan II	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Endosulfan sulfate	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Endrin	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Endrin aldehyde	1.1	U	7.2	1.1	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Endrin ketone	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
gamma-BHC (Lindane)	1.3	U	7.2	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Heptachlor	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Heptachlor epoxide	1.6	U	7.2	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Methoxychlor	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1
Toxaphene	19	U	72	19	ug/Kg	☼	06/16/14 05:53	06/16/14 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*109*		*76 - 149*	*06/16/14 05:53*	*06/16/14 15:26*	*1*
DCB Decachlorobiphenyl	*110*		*76 - 149*	*06/16/14 05:53*	*06/16/14 15:26*	*1*
Tetrachloro-m-xylene	*98*		*72 - 136*	*06/16/14 05:53*	*06/16/14 15:26*	*1*
Tetrachloro-m-xylene	*98*		*72 - 136*	*06/16/14 05:53*	*06/16/14 15:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Aroclor 1221	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Aroclor 1232	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Aroclor 1242	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Aroclor 1248	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Aroclor 1254	20	U	72	20	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Aroclor 1260	20	U	72	20	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Aroclor-1262	20	U	72	20	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Aroclor 1268	20	U	72	20	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1
Polychlorinated biphenyls, Total	20	U	72	20	ug/Kg	☼	06/16/14 05:24	06/16/14 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*113*		*53 - 150*	*06/16/14 05:24*	*06/16/14 15:39*	*1*
DCB Decachlorobiphenyl	*118*		*53 - 150*	*06/16/14 05:24*	*06/16/14 15:39*	*1*

Client Sample ID: TCHS-S1 9.5-10

Date Collected: 06/10/14 16:00
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-2

Matrix: Solid
Percent Solids: 93.5

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.3	U	18	2.3	ug/Kg	☼	06/12/14 20:27	06/13/14 14:42	1
Silvex (2,4,5-TP)	2.0	U	18	2.0	ug/Kg	☼	06/12/14 20:27	06/13/14 14:42	1
2,4,5-T	3.7	U	18	3.7	ug/Kg	☼	06/12/14 20:27	06/13/14 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*129*		*69 - 150*	*06/12/14 20:27*	*06/13/14 14:42*	*1*
2,4-Dichlorophenylacetic acid	*142*		*69 - 150*	*06/12/14 20:27*	*06/13/14 14:42*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 12:47	1
C9-C12 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 12:47	1
C16-C21 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 12:47	1
C21-C40 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 12:47	1
C16-C21 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 12:47	1
C10-C12 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 12:47	1
C12-C16 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 12:47	1
C21-C36 Aromatic	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*40 - 140*	*06/12/14 12:45*	*06/13/14 12:47*	*1*
2-Fluorobiphenyl	*84*		*40 - 140*	*06/12/14 12:45*	*06/13/14 12:47*	*1*
2-Bromonaphthalene	*74*		*40 - 140*	*06/12/14 12:45*	*06/13/14 12:47*	*1*
1-Chlorooctadecane	*44*		*40 - 140*	*06/12/14 12:45*	*06/13/14 12:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.38	U	2.0	0.38	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Aluminum	**10500**		39.3	21.7	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Arsenic	0.80	U	2.9	0.80	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Barium	**37.2**	**J**	39.3	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Beryllium	**0.28**	**J**	0.39	0.27	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Calcium	**100**	**J**	981	75.1	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Cadmium	0.28	U	0.79	0.28	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Cobalt	**7.4**	**J**	9.8	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Chromium	**13.0**		2.0	0.79	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Copper	**14.4**		4.9	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Iron	**12300**		29.4	24.4	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Potassium	**665**	**J**	981	27.1	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Magnesium	**3080**		981	65.2	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Manganese	**97.2**		2.9	0.85	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Sodium	74.2	U	981	74.2	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Nickel	**17.7**		7.9	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Lead	**10.3**		2.0	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Antimony	1.5	U	3.9	1.5	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4

Client Sample ID: TCHS-S1 9.5-10

Lab Sample ID: 460-77515-2

Date Collected: 06/10/14 16:00
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 93.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.1	U	3.9	1.1	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Thallium	1.9	U	3.9	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Vanadium	**10**		9.8	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4
Zinc	**53.8**		5.9	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 15:44	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.018	0.012	mg/Kg	☼	06/13/14 05:30	06/13/14 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	**93.5**		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S7 0-0.5

Lab Sample ID: 460-77515-3

Date Collected: 06/10/14 12:34
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 85.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,1,2,2-Tetrachloroethane	0.099	U	1.1	0.099	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,1,2-Trichloroethane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,1-Dichloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,1-Dichloroethene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,2,3-Trichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,2,4-Trichlorobenzene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,2-Dichloropropane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,3-Dichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,4-Dichlorobenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,4-Dioxane	14	U	22	14	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
2-Butanone (MEK)	0.69	U	5.5	0.69	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
2-Hexanone	0.14	U	5.5	0.14	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
4-Methyl-2-pentanone (MIBK)	0.22	U	5.5	0.22	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Acetone	1.9	U	5.5	1.9	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Benzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Bromoform	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Bromomethane	0.47	U	1.1	0.47	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Carbon disulfide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Carbon tetrachloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Chlorobenzene	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Chlorobromomethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Chlorodibromomethane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Chloroethane	0.36	U	1.1	0.36	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Chloroform	0.26	U	1.1	0.26	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Chloromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
cis-1,2-Dichloroethene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
cis-1,3-Dichloropropene	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Cyclohexane	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S7 0-0.5
Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-3
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.35	U	1.1	0.35	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Dichlorodifluoromethane	0.24	U	1.1	0.24	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Ethylbenzene	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Ethylene Dibromide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Isopropylbenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Methyl acetate	0.35	U	5.5	0.35	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Methyl tert-butyl ether	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Methylcyclohexane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Methylene Chloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
m-Xylene & p-Xylene	0.65	U	1.1	0.65	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
o-Xylene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Styrene	0.31	U	1.1	0.31	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Tetrachloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Toluene	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
trans-1,2-Dichloroethene	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
2-Methyl-2-propanol	3.4	U	11	3.4	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
trans-1,3-Dichloropropene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Trichloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Trichlorofluoromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
Vinyl chloride	0.37	U	1.1	0.37	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,2-Dichloroethane	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,2-Dichlorobenzene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,2-Dibromo-3-Chloropropane	0.49	U	1.1	0.49	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1
1,1,1,2-Tetrachloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:15	06/17/14 00:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 13:15*	*06/17/14 00:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*06/11/14 13:15*	*06/17/14 00:02*	*1*
4-Bromofluorobenzene	*94*		*70 - 130*	*06/11/14 13:15*	*06/17/14 00:02*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*06/11/14 13:15*	*06/17/14 00:02*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*06/11/14 13:15*	*06/17/14 00:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	59	U *	390	59	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Phenol	9.2	U	79	9.2	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Bis(2-chloroethyl)ether	11	U	79	11	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2-Chlorophenol	32	U	390	32	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2-Methylphenol	27	U	390	27	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,2'-oxybis[1-chloropropane]	8.4	U	79	8.4	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Acetophenone	32	U	390	32	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Methylphenol, 3 & 4	38	U	390	38	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
N-Nitrosodi-n-propylamine	9.2	U	79	9.2	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Hexachloroethane	28	U	390	28	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Nitrobenzene	33	U	790	33	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Isophorone	29	U	390	29	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2-Nitrophenol	43	U	390	43	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,4-Dimethylphenol	61	U	390	61	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S7 0-0.5
Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-3
Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	26	U	390	26	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,4-Dichlorophenol	7.9	U	79	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Naphthalene	6.7	U	79	6.7	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
4-Chloroaniline	31	U	390	31	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Hexachlorobutadiene	8.8	U	79	8.8	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Caprolactam	300	U	2000	300	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
4-Chloro-3-methylphenol	36	U	390	36	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2-Methylnaphthalene	7.0	U	79	7.0	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Hexachlorocyclopentadiene	42	U	390	42	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,4,5-Trichlorophenol	42	U	390	42	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,4,6-Trichlorophenol	59	U	390	59	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
1,1'-Biphenyl	35	U	390	35	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2-Chloronaphthalene	8.2	U	79	8.2	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2-Nitroaniline	180	U	2000	180	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Dimethyl phthalate	43	U	390	43	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,6-Dinitrotoluene	40	U	390	40	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Acenaphthylene	**35**	**J**	79	9.0	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
3-Nitroaniline	160	U	2000	160	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Acenaphthene	**24**	**J**	79	7.5	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,4-Dinitrophenol	470	U	2000	470	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
4-Nitrophenol	140	U	2000	140	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Dibenzofuran	39	U	390	39	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,4-Dinitrotoluene	32	U	390	32	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Diethyl phthalate	43	U	390	43	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Fluorene	**30**	**J**	79	10	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
4-Chlorophenyl phenyl ether	43	U	390	43	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
4-Nitroaniline	160	U	2000	160	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
4,6-Dinitro-2-methylphenol	160	U	2000	160	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
N-Nitrosodiphenylamine	36	U	390	36	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
1,2,4,5-Tetrachlorobenzene	30	U	390	30	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
4-Bromophenyl phenyl ether	34	U	390	34	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Hexachlorobenzene	8.3	U	79	8.3	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Atrazine	38	U *	390	38	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Pentachlorophenol	35	U	390	35	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Phenanthrene	**360**		79	12	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Anthracene	**100**		79	7.7	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Carbazole	**31**	**J**	79	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Di-n-butyl phthalate	49	U	390	49	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Fluoranthene	**770**		79	8.4	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Pyrene	**610**		79	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Butyl benzyl phthalate	**130**	**J**	390	53	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
3,3'-Dichlorobenzidine	41	U	390	41	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Benzo[a]anthracene	**340**		79	9.8	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Chrysene	**400**		79	9.3	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Bis(2-ethylhexyl) phthalate	**490**	**J**	790	63	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Di-n-octyl phthalate	41	U	390	41	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Benzo[b]fluoranthene	**380**		79	12	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Benzo[k]fluoranthene	**190**		79	16	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Benzo[a]pyrene	**330**		79	7.8	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1

Client Sample ID: TCHS-S7 0-0.5
Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-3
Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**340**		79	7.8	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Indeno[1,2,3-cd]pyrene	**260**		79	8.1	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
Dibenz(a,h)anthracene	**88**		79	8.7	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1
2,3,4,6-Tetrachlorophenol	25	U	390	25	ug/Kg	☼	06/16/14 03:20	06/16/14 16:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*J*	*ug/Kg*	☼	*11.08*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*540*	*J*	*ug/Kg*	☼	*15.93*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*210*	*J*	*ug/Kg*	☼	*16.34*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*340*	*J*	*ug/Kg*	☼	*16.66*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*160*	*J*	*ug/Kg*	☼	*17.40*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown Straight Chain Alkane	*610*	*J*	*ug/Kg*	☼	*17.79*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*640*	*J*	*ug/Kg*	☼	*18.90*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*160*	*J*	*ug/Kg*	☼	*19.30*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*460*	*J*	*ug/Kg*	☼	*19.53*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*900*	*J*	*ug/Kg*	☼	*19.60*		*06/16/14 03:20*	*06/16/14 16:11*	*1*
Unknown	*270*	*J*	*ug/Kg*	☼	*19.96*		*06/16/14 03:20*	*06/16/14 16:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*06/16/14 03:20*	*06/16/14 16:11*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*06/16/14 03:20*	*06/16/14 16:11*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*06/16/14 03:20*	*06/16/14 16:11*	*1*
2-Fluorobiphenyl	*67*		*35 - 105*	*06/16/14 03:20*	*06/16/14 16:11*	*1*
Phenol-d5 (Surr)	*59*		*25 - 105*	*06/16/14 03:20*	*06/16/14 16:11*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*06/16/14 03:20*	*06/16/14 16:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.5	U	7.8	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
4,4'-DDE	1.5	U	7.8	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
4,4'-DDT	1.9	U	7.8	1.9	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Aldrin	1.6	U	7.8	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
alpha-BHC	1.8	U	7.8	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
beta-BHC	1.9	U	7.8	1.9	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Chlordane (technical)	22	U	78	22	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
delta-BHC	1.4	U	7.8	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Dieldrin	1.4	U	7.8	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Endosulfan I	1.8	U	7.8	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Endosulfan II	1.5	U	7.8	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Endosulfan sulfate	1.5	U	7.8	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Endrin	1.9	U	7.8	1.9	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Endrin aldehyde	1.2	U	7.8	1.2	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Endrin ketone	1.5	U	7.8	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
gamma-BHC (Lindane)	1.4	U	7.8	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Heptachlor	1.9	U	7.8	1.9	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Heptachlor epoxide	1.8	U	7.8	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Methoxychlor	1.9	U	7.8	1.9	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1
Toxaphene	21	U	78	21	ug/Kg	☼	06/16/14 05:53	06/16/14 15:37	1

Client Sample ID: TCHS-S7 0-0.5
Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-3
Matrix: Solid
Percent Solids: 85.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*76 - 149*	*06/16/14 05:53*	*06/16/14 15:37*	*1*
DCB Decachlorobiphenyl	*108*		*76 - 149*	*06/16/14 05:53*	*06/16/14 15:37*	*1*
Tetrachloro-m-xylene	*96*		*72 - 136*	*06/16/14 05:53*	*06/16/14 15:37*	*1*
Tetrachloro-m-xylene	*96*		*72 - 136*	*06/16/14 05:53*	*06/16/14 15:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	18	U	78	18	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Aroclor 1221	18	U	78	18	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Aroclor 1232	18	U	78	18	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Aroclor 1242	18	U	78	18	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Aroclor 1248	18	U	78	18	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Aroclor 1254	22	U	78	22	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Aroclor 1260	22	U	78	22	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Aroclor-1262	22	U	78	22	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Aroclor 1268	22	U	78	22	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1
Polychlorinated biphenyls, Total	22	U	78	22	ug/Kg	☼	06/16/14 05:24	06/16/14 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*53 - 150*	*06/16/14 05:24*	*06/16/14 15:58*	*1*
DCB Decachlorobiphenyl	*109*		*53 - 150*	*06/16/14 05:24*	*06/16/14 15:58*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.5	U	20	2.5	ug/Kg	☼	06/12/14 20:27	06/14/14 01:50	1
Silvex (2,4,5-TP)	2.2	U	20	2.2	ug/Kg	☼	06/12/14 20:27	06/14/14 01:50	1
2,4,5-T	4.0	U	20	4.0	ug/Kg	☼	06/12/14 20:27	06/14/14 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*150*		*69 - 150*	*06/12/14 20:27*	*06/14/14 01:50*	*1*
2,4-Dichlorophenylacetic acid	*153*	*X*	*69 - 150*	*06/12/14 20:27*	*06/14/14 01:50*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	**41**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	**66**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	**110**		2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	**3.7**		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 13:18	1
C9-C12 Aliphatics	**6.7**		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 13:18	1
C16-C21 Aliphatics	**4.6**		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 13:18	1
C21-C40 Aliphatics	**51**		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 13:18	1
C16-C21 Aromatics	**6.8**		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 13:18	1
C10-C12 Aromatics	**4.7**		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 13:18	1
C12-C16 Aromatics	**3.3**		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 13:18	1
C21-C36 Aromatic	**26**		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:18*	*1*
2-Fluorobiphenyl	*85*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:18*	*1*

Client Sample ID: TCHS-S7 0-0.5

Lab Sample ID: 460-77515-3

Date Collected: 06/10/14 12:34
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 85.2

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Bromonaphthalene	73		40 - 140	06/12/14 12:45	06/13/14 13:18	1
1-Chlorooctadecane	51		40 - 140	06/12/14 12:45	06/13/14 13:18	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.43	U	2.2	0.43	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Aluminum	**7960**		43.9	24.2	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Arsenic	**3.6**		3.3	0.90	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Barium	**21.2**	**J**	43.9	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Beryllium	**0.31**	**J**	0.44	0.30	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Calcium	**492**	**J**	1100	83.9	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Cadmium	0.31	U	0.88	0.31	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Cobalt	**7.0**	**J**	11.0	0.99	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Chromium	**11.6**		2.2	0.88	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Copper	**17.7**		5.5	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Iron	**17800**		32.9	27.3	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Potassium	**587**	**J**	1100	30.3	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Magnesium	**2610**		1100	72.8	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Manganese	**272**		3.3	0.95	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Sodium	82.9	U	1100	82.9	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Nickel	**16.6**		8.8	2.0	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Lead	**29.3**		2.2	0.90	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Antimony	1.7	U	4.4	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Selenium	1.2	U	4.4	1.2	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Thallium	2.1	U	4.4	2.1	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Vanadium	**13.8**		11.0	0.91	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4
Zinc	**48.6**		6.6	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 15:48	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.018	0.013	mg/Kg	☼	06/13/14 05:30	06/13/14 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.8**		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	**85.2**		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S7 10-10.5

Lab Sample ID: 460-77515-4

Date Collected: 06/10/14 12:34
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 97.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,1,2,2-Tetrachloroethane	0.10	U	1.1	0.10	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,1,2-Trichloroethane	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,1-Dichloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,1-Dichloroethene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,2,3-Trichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S7 10-10.5
Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-4
Matrix: Solid
Percent Solids: 97.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,2-Dichloropropane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,3-Dichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,4-Dichlorobenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,4-Dioxane	14	U	22	14	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
2-Butanone (MEK)	**1.7**	**J**	5.6	0.71	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
2-Hexanone	0.15	U	5.6	0.15	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
4-Methyl-2-pentanone (MIBK)	0.22	U	5.6	0.22	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Acetone	1.9	U	5.6	1.9	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Benzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Bromoform	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Bromomethane	0.48	U	1.1	0.48	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Carbon disulfide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Carbon tetrachloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Chlorobenzene	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Chlorobromomethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Chlorodibromomethane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Chloroethane	0.37	U	1.1	0.37	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Chloroform	0.27	U	1.1	0.27	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Chloromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
cis-1,2-Dichloroethene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
cis-1,3-Dichloropropene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Cyclohexane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Dichlorobromomethane	0.36	U	1.1	0.36	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Dichlorodifluoromethane	0.25	U	1.1	0.25	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Ethylbenzene	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Ethylene Dibromide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Isopropylbenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Methyl acetate	0.36	U	5.6	0.36	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Methyl tert-butyl ether	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Methylcyclohexane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Methylene Chloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
m-Xylene & p-Xylene	0.66	U	1.1	0.66	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
o-Xylene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Styrene	0.31	U	1.1	0.31	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Tetrachloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Toluene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
trans-1,2-Dichloroethene	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
2-Methyl-2-propanol	3.5	U	11	3.5	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
trans-1,3-Dichloropropene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Trichloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Trichlorofluoromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
Vinyl chloride	0.38	U	1.1	0.38	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,2-Dichloroethane	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,2-Dichlorobenzene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,2-Dibromo-3-Chloropropane	0.49	U	1.1	0.49	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1
1,1,1,2-Tetrachloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:16	06/17/14 00:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 13:16*	*06/17/14 00:27*	*1*

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S7 10-10.5
Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-4
Matrix: Solid
Percent Solids: 97.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*06/11/14 13:16*	*06/17/14 00:27*	*1*
4-Bromofluorobenzene	*95*		*70 - 130*	*06/11/14 13:16*	*06/17/14 00:27*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*06/11/14 13:16*	*06/17/14 00:27*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*06/11/14 13:16*	*06/17/14 00:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	51	U *	340	51	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Phenol	8.1	U	69	8.1	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Bis(2-chloroethyl)ether	9.2	U	69	9.2	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2-Chlorophenol	28	U	340	28	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2-Methylphenol	24	U	340	24	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,2'-oxybis[1-chloropropane]	7.4	U	69	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Acetophenone	28	U	340	28	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Methylphenol, 3 & 4	33	U	340	33	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
N-Nitrosodi-n-propylamine	8.0	U	69	8.0	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Hexachloroethane	25	U	340	25	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Nitrobenzene	28	U	690	28	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Isophorone	26	U	340	26	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2-Nitrophenol	38	U	340	38	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,4-Dimethylphenol	53	U	340	53	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Bis(2-chloroethoxy)methane	22	U	340	22	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,4-Dichlorophenol	6.8	U	69	6.8	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Naphthalene	5.9	U	69	5.9	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
4-Chloroaniline	27	U	340	27	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Hexachlorobutadiene	7.6	U	69	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Caprolactam	260	U	1700	260	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
4-Chloro-3-methylphenol	31	U	340	31	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2-Methylnaphthalene	6.1	U	69	6.1	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Hexachlorocyclopentadiene	37	U	340	37	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,4,5-Trichlorophenol	36	U	340	36	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,4,6-Trichlorophenol	51	U	340	51	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
1,1'-Biphenyl	30	U	340	30	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2-Chloronaphthalene	7.1	U	69	7.1	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2-Nitroaniline	150	U	1700	150	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Dimethyl phthalate	37	U	340	37	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,6-Dinitrotoluene	35	U	340	35	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Acenaphthylene	7.8	U	69	7.8	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
3-Nitroaniline	140	U	1700	140	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Acenaphthene	6.6	U	69	6.6	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,4-Dinitrophenol	410	U	1700	410	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
4-Nitrophenol	120	U	1700	120	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Dibenzofuran	34	U	340	34	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,4-Dinitrotoluene	28	U	340	28	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Diethyl phthalate	37	U	340	37	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Fluorene	9.0	U	69	9.0	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
4-Chlorophenyl phenyl ether	38	U	340	38	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
4-Nitroaniline	140	U	1700	140	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
4,6-Dinitro-2-methylphenol	140	U	1700	140	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
N-Nitrosodiphenylamine	32	U	340	32	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S7 10-10.5
Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-4
Matrix: Solid
Percent Solids: 97.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	26	U	340	26	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
4-Bromophenyl phenyl ether	30	U	340	30	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Hexachlorobenzene	7.3	U	69	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Atrazine	33	U *	340	33	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Pentachlorophenol	31	U	340	31	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Phenanthrene	11	U	69	11	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Anthracene	6.7	U	69	6.7	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Carbazole	6.3	U	69	6.3	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Di-n-butyl phthalate	43	U	340	43	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Fluoranthene	7.3	U	69	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Pyrene	6.9	U	69	6.9	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Butyl benzyl phthalate	47	U	340	47	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
3,3'-Dichlorobenzidine	36	U	340	36	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Benzo[a]anthracene	8.6	U	69	8.6	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Chrysene	8.1	U	69	8.1	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Bis(2-ethylhexyl) phthalate	**240**	**J**	690	55	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Di-n-octyl phthalate	36	U	340	36	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Benzo[b]fluoranthene	11	U	69	11	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Benzo[k]fluoranthene	14	U	69	14	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Benzo[a]pyrene	6.8	U	69	6.8	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Benzo[g,h,i]perylene	6.8	U	69	6.8	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Indeno[1,2,3-cd]pyrene	7.0	U	69	7.0	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
Dibenz(a,h)anthracene	7.6	U	69	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1
2,3,4,6-Tetrachlorophenol	22	U	340	22	ug/Kg	☼	06/16/14 03:20	06/16/14 16:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*350*	*J*	*ug/Kg*	☼	*3.23*		*06/16/14 03:20*	*06/16/14 16:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*25 - 104*	*06/16/14 03:20*	*06/16/14 16:40*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*	*06/16/14 03:20*	*06/16/14 16:40*	*1*
2-Fluorophenol (Surr)	*46*		*39 - 103*	*06/16/14 03:20*	*06/16/14 16:40*	*1*
2-Fluorobiphenyl	*57*		*35 - 105*	*06/16/14 03:20*	*06/16/14 16:40*	*1*
Phenol-d5 (Surr)	*50*		*25 - 105*	*06/16/14 03:20*	*06/16/14 16:40*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*06/16/14 03:20*	*06/16/14 16:40*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.3	U	6.9	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
4,4'-DDE	1.3	U	6.9	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
4,4'-DDT	1.6	U	6.9	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Aldrin	1.4	U	6.9	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
alpha-BHC	1.5	U	6.9	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
beta-BHC	1.6	U	6.9	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Chlordane (technical)	20	U	69	20	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
delta-BHC	1.2	U	6.9	1.2	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Dieldrin	1.2	U	6.9	1.2	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Endosulfan I	1.5	U	6.9	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Endosulfan II	1.3	U	6.9	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Endosulfan sulfate	1.3	U	6.9	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1

Client Sample ID: TCHS-S7 10-10.5
Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-4
Matrix: Solid
Percent Solids: 97.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	1.6	U	6.9	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Endrin aldehyde	1.0	U	6.9	1.0	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Endrin ketone	1.3	U	6.9	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
gamma-BHC (Lindane)	1.2	U	6.9	1.2	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Heptachlor	1.6	U	6.9	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Heptachlor epoxide	1.5	U	6.9	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Methoxychlor	1.6	U	6.9	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1
Toxaphene	19	U	69	19	ug/Kg	☼	06/16/14 05:53	06/16/14 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*76 - 149*	*06/16/14 05:53*	*06/16/14 15:49*	*1*
DCB Decachlorobiphenyl	*110*		*76 - 149*	*06/16/14 05:53*	*06/16/14 15:49*	*1*
Tetrachloro-m-xylene	*117*		*72 - 136*	*06/16/14 05:53*	*06/16/14 15:49*	*1*
Tetrachloro-m-xylene	*96*		*72 - 136*	*06/16/14 05:53*	*06/16/14 15:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	15	U	69	15	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Aroclor 1221	15	U	69	15	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Aroclor 1232	15	U	69	15	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Aroclor 1242	15	U	69	15	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Aroclor 1248	15	U	69	15	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Aroclor 1254	20	U	69	20	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Aroclor 1260	20	U	69	20	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Aroclor-1262	20	U	69	20	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Aroclor 1268	20	U	69	20	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1
Polychlorinated biphenyls, Total	20	U	69	20	ug/Kg	☼	06/16/14 05:24	06/16/14 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*53 - 150*	*06/16/14 05:24*	*06/16/14 16:17*	*1*
DCB Decachlorobiphenyl	*109*		*53 - 150*	*06/16/14 05:24*	*06/16/14 16:17*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.2	U	18	2.2	ug/Kg	☼	06/12/14 20:27	06/13/14 15:04	1
Silvex (2,4,5-TP)	1.9	U	18	1.9	ug/Kg	☼	06/12/14 20:27	06/13/14 15:04	1
2,4,5-T	3.5	U	18	3.5	ug/Kg	☼	06/12/14 20:27	06/13/14 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*142*		*69 - 150*	*06/12/14 20:27*	*06/13/14 15:04*	*1*
2,4-Dichlorophenylacetic acid	*146*		*69 - 150*	*06/12/14 20:27*	*06/13/14 15:04*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 13:33	1

Client Sample ID: TCHS-S7 10-10.5

Date Collected: 06/10/14 12:34
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-4

Matrix: Solid
Percent Solids: 97.1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C12 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 13:33	1
C16-C21 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 13:33	1
C21-C40 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 13:33	1
C16-C21 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 13:33	1
C10-C12 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 13:33	1
C12-C16 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 13:33	1
C21-C36 Aromatic	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:33*	*1*
2-Fluorobiphenyl	*82*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:33*	*1*
2-Bromonaphthalene	*70*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:33*	*1*
1-Chlorooctadecane	*51*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.40	U	2.1	0.40	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Aluminum	**4100**		41.2	22.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Arsenic	0.84	U	3.1	0.84	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Barium	**7.8**	**J**	41.2	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Beryllium	0.28	U	0.41	0.28	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Calcium	**184**	**J**	1030	78.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Cadmium	0.29	U	0.82	0.29	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Cobalt	**1.8**	**J**	10.3	0.93	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Chromium	**14.3**		2.1	0.83	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Copper	**2.6**	**J**	5.2	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Iron	**4120**		30.9	25.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Potassium	**533**	**J**	1030	28.4	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Magnesium	**999**	**J**	1030	68.4	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Manganese	**101**		3.1	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Sodium	77.9	U	1030	77.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Nickel	**5.2**	**J**	8.2	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Lead	**7.9**		2.1	0.85	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Antimony	1.6	U	4.1	1.6	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Selenium	1.2	U	4.1	1.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Thallium	2.0	U	4.1	2.0	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Vanadium	**5.5**	**J**	10.3	0.85	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4
Zinc	**13.5**		6.2	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:03	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.016	0.012	mg/Kg	☼	06/13/14 05:30	06/13/14 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**2.9**		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	**97.1**		1.0	1.0	%			06/12/14 16:22	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S8 0-0.5
Date Collected: 06/10/14 10:07
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-5
Matrix: Solid
Percent Solids: 90.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,1,2,2-Tetrachloroethane	0.11	U	1.2	0.11	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,1,2-Trichloroethane	0.17	U	1.2	0.17	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,1-Dichloroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,1-Dichloroethene	0.23	U	1.2	0.23	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,2,3-Trichlorobenzene	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,2,4-Trichlorobenzene	0.23	U	1.2	0.23	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,2-Dichloropropane	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,3-Dichlorobenzene	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,4-Dichlorobenzene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,4-Dioxane	15	U	24	15	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
2-Butanone (MEK)	**11**		6.0	0.75	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
2-Hexanone	0.16	U	6.0	0.16	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
4-Methyl-2-pentanone (MIBK)	0.24	U	6.0	0.24	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Acetone	**55**	**B**	6.0	2.0	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Benzene	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Bromoform	0.20	U	1.2	0.20	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Bromomethane	0.51	U	1.2	0.51	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Carbon disulfide	**0.34**	**J**	1.2	0.18	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Carbon tetrachloride	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Chlorobenzene	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Chlorobromomethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Chlorodibromomethane	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Chloroethane	0.39	U	1.2	0.39	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Chloroform	0.29	U	1.2	0.29	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Chloromethane	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
cis-1,2-Dichloroethene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
cis-1,3-Dichloropropene	0.17	U	1.2	0.17	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Cyclohexane	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Dichlorobromomethane	0.38	U	1.2	0.38	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Dichlorodifluoromethane	0.26	U	1.2	0.26	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Ethylbenzene	0.20	U	1.2	0.20	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Ethylene Dibromide	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Isopropylbenzene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Methyl acetate	0.38	U	6.0	0.38	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Methyl tert-butyl ether	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Methylcyclohexane	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Methylene Chloride	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
m-Xylene & p-Xylene	0.71	U	1.2	0.71	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
o-Xylene	0.23	U	1.2	0.23	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Styrene	0.33	U	1.2	0.33	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Tetrachloroethene	0.14	U	1.2	0.14	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Toluene	0.17	U	1.2	0.17	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
trans-1,2-Dichloroethene	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
2-Methyl-2-propanol	3.7	U	12	3.7	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
trans-1,3-Dichloropropene	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Trichloroethene	0.14	U	1.2	0.14	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
Trichlorofluoromethane	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1

Client Sample ID: TCHS-S8 0-0.5
Date Collected: 06/10/14 10:07
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-5
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.41	U	1.2	0.41	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,2-Dichloroethane	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,2-Dichlorobenzene	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,2-Dibromo-3-Chloropropane	0.53	U	1.2	0.53	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1
1,1,1,2-Tetrachloroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 13:17	06/17/14 00:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1-Hexanol, 2-ethyl-	*6.7*	*J N*	*ug/Kg*	☼	*11.39*	*104-76-7*	*06/11/14 13:17*	*06/17/14 00:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*06/11/14 13:17*	*06/17/14 00:52*	*1*
4-Bromofluorobenzene	*94*		*70 - 130*	*06/11/14 13:17*	*06/17/14 00:52*	*1*
Dibromofluoromethane (Surr)	*57*	*X*	*70 - 130*	*06/11/14 13:17*	*06/17/14 00:52*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*06/11/14 13:17*	*06/17/14 00:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	55	U *	360	55	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Phenol	8.6	U	73	8.6	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Bis(2-chloroethyl)ether	9.8	U	73	9.8	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2-Chlorophenol	30	U	360	30	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2-Methylphenol	26	U	360	26	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2,2'-oxybis[1-chloropropane]	7.9	U	73	7.9	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Acetophenone	30	U	360	30	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Methylphenol, 3 & 4	36	U	360	36	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
N-Nitrosodi-n-propylamine	8.6	U	73	8.6	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Hexachloroethane	26	U	360	26	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Nitrobenzene	30	U	730	30	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Isophorone	28	U	360	28	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2-Nitrophenol	40	U	360	40	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2,4-Dimethylphenol	57	U	360	57	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Bis(2-chloroethoxy)methane	24	U	360	24	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2,4-Dichlorophenol	7.3	U	73	7.3	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Naphthalene	6.3	U	73	6.3	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
4-Chloroaniline	29	U	360	29	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Hexachlorobutadiene	8.2	U	73	8.2	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Caprolactam	280	U	1900	280	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
4-Chloro-3-methylphenol	34	U	360	34	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2-Methylnaphthalene	6.6	U	73	6.6	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Hexachlorocyclopentadiene	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2,4,5-Trichlorophenol	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2,4,6-Trichlorophenol	55	U	360	55	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
1,1'-Biphenyl	33	U	360	33	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2-Chloronaphthalene	7.6	U	73	7.6	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2-Nitroaniline	160	U	1900	160	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Dimethyl phthalate	40	U	360	40	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2,6-Dinitrotoluene	38	U	360	38	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Acenaphthylene	**15**	**J**	73	8.4	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
3-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Acenaphthene	**11**	**J**	73	7.0	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1

Client Sample ID: TCHS-S8 0-0.5
Date Collected: 06/10/14 10:07
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-5
Matrix: Solid
Percent Solids: 90.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	430	U	1900	430	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
4-Nitrophenol	130	U	1900	130	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Dibenzofuran	36	U	360	36	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2,4-Dinitrotoluene	29	U	360	29	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Diethyl phthalate	40	U	360	40	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Fluorene	9.6	U	73	9.6	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
4-Chlorophenyl phenyl ether	41	U	360	41	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
4-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
4,6-Dinitro-2-methylphenol	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
N-Nitrosodiphenylamine	34	U	360	34	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
1,2,4,5-Tetrachlorobenzene	28	U	360	28	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
4-Bromophenyl phenyl ether	32	U	360	32	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Hexachlorobenzene	7.8	U	73	7.8	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Atrazine	36	U *	360	36	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Pentachlorophenol	33	U	360	33	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Phenanthrene	**120**		73	12	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Anthracene	**22**	**J**	73	7.1	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Carbazole	**10**	**J**	73	6.7	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Di-n-butyl phthalate	46	U	360	46	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Fluoranthene	**280**		73	7.8	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Pyrene	**230**		73	7.4	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Butyl benzyl phthalate	50	U	360	50	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
3,3'-Dichlorobenzidine	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Benzo[a]anthracene	**170**		73	9.2	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Chrysene	**160**		73	8.7	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Bis(2-ethylhexyl) phthalate	**390**	**J**	730	59	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Di-n-octyl phthalate	38	U	360	38	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Benzo[b]fluoranthene	**180**		73	11	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Benzo[k]fluoranthene	**93**		73	15	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Benzo[a]pyrene	**120**		73	7.3	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Benzo[g,h,i]perylene	**120**		73	7.3	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Indeno[1,2,3-cd]pyrene	**93**		73	7.5	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
Dibenz(a,h)anthracene	**27**	**J**	73	8.1	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1
2,3,4,6-Tetrachlorophenol	23	U	360	23	ug/Kg	☼	06/16/14 03:20	06/17/14 14:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/16/14 03:20*	*06/17/14 14:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*	*06/16/14 03:20*	*06/17/14 14:30*	*1*
2,4,6-Tribromophenol (Surr)	*44*		*35 - 124*	*06/16/14 03:20*	*06/17/14 14:30*	*1*
2-Fluorophenol (Surr)	*51*		*39 - 103*	*06/16/14 03:20*	*06/17/14 14:30*	*1*
2-Fluorobiphenyl	*69*		*35 - 105*	*06/16/14 03:20*	*06/17/14 14:30*	*1*
Phenol-d5 (Surr)	*59*		*25 - 105*	*06/16/14 03:20*	*06/17/14 14:30*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*06/16/14 03:20*	*06/17/14 14:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
4,4'-DDE	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1

Client Sample ID: TCHS-S8 0-0.5
Date Collected: 06/10/14 10:07
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-5
Matrix: Solid
Percent Solids: 90.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Aldrin	1.5	U	7.4	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
alpha-BHC	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
beta-BHC	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Chlordane (technical)	21	U	74	21	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
delta-BHC	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Dieldrin	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Endosulfan I	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Endosulfan II	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Endosulfan sulfate	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Endrin	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Endrin aldehyde	1.1	U	7.4	1.1	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Endrin ketone	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
gamma-BHC (Lindane)	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Heptachlor	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Heptachlor epoxide	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Methoxychlor	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1
Toxaphene	20	U	74	20	ug/Kg	☼	06/16/14 05:53	06/16/14 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*118*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:00*	*1*
DCB Decachlorobiphenyl	*115*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:00*	*1*
Tetrachloro-m-xylene	*109*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:00*	*1*
Tetrachloro-m-xylene	*100*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Aroclor 1221	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Aroclor 1232	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Aroclor 1242	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Aroclor 1248	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Aroclor 1254	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Aroclor 1260	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Aroclor-1262	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Aroclor 1268	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1
Polychlorinated biphenyls, Total	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*53 - 150*	*06/16/14 05:24*	*06/16/14 16:36*	*1*
DCB Decachlorobiphenyl	*105*		*53 - 150*	*06/16/14 05:24*	*06/16/14 16:36*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.4	U	19	2.4	ug/Kg	☼	06/12/14 20:27	06/13/14 15:26	1
Silvex (2,4,5-TP)	2.0	U	19	2.0	ug/Kg	☼	06/12/14 20:27	06/13/14 15:26	1
2,4,5-T	3.8	U	19	3.8	ug/Kg	☼	06/12/14 20:27	06/13/14 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*136*		*69 - 150*	*06/12/14 20:27*	*06/13/14 15:26*	*1*
2,4-Dichlorophenylacetic acid	*148*		*69 - 150*	*06/12/14 20:27*	*06/13/14 15:26*	*1*

Client Sample ID: TCHS-S8 0-0.5
Date Collected: 06/10/14 10:07
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-5
Matrix: Solid

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:48	1
C9-C12 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:48	1
C16-C21 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:48	1
C21-C40 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:48	1
C16-C21 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:48	1
C10-C12 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:48	1
C12-C16 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:48	1
C21-C36 Aromatic	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:48*	*1*
2-Fluorobiphenyl	*86*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:48*	*1*
2-Bromonaphthalene	*73*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:48*	*1*
1-Chlorooctadecane	*56*		*40 - 140*	*06/12/14 12:45*	*06/13/14 13:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.42	U	2.2	0.42	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Aluminum	**8840**		43.2	23.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Arsenic	**6.5**		3.2	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Barium	**82.7**		43.2	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Beryllium	**0.48**		0.43	0.29	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Calcium	**12800**		1080	82.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Cadmium	0.31	U	0.86	0.31	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Cobalt	**5.8**	**J**	10.8	0.97	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Chromium	**16.3**		2.2	0.87	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Copper	**56.2**		5.4	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Iron	**17500**		32.4	26.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Potassium	**691**	**J**	1080	29.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Magnesium	**2650**		1080	71.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Manganese	**338**		3.2	0.93	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Sodium	**131**	**J**	1080	81.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Nickel	**14.3**		8.6	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Lead	**107**		2.2	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Antimony	1.6	U	4.3	1.6	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Selenium	1.2	U	4.3	1.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Thallium	2.1	U	4.3	2.1	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Vanadium	**16.5**		10.8	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4
Zinc	**124**		6.5	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:07	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**		0.018	0.013	mg/Kg	☼	06/13/14 05:30	06/13/14 09:50	1

Client Sample ID: TCHS-S8 0-0.5

Lab Sample ID: 460-77515-5

Date Collected: 06/10/14 10:07

Matrix: Solid

Date Received: 06/10/14 21:20

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.3		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	90.7		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S8 3-3.5

Lab Sample ID: 460-77515-6

Date Collected: 06/10/14 10:45

Matrix: Solid

Date Received: 06/10/14 21:20

Percent Solids: 89.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,1,2,2-Tetrachloroethane	0.097	U	1.1	0.097	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,1,2-Trichloroethane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,1-Dichloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,1-Dichloroethene	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,2,3-Trichlorobenzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,2,4-Trichlorobenzene	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,2-Dichloropropane	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,3-Dichlorobenzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,4-Dichlorobenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,4-Dioxane	14	U	22	14	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
2-Butanone (MEK)	0.68	U	5.4	0.68	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
2-Hexanone	0.14	U	5.4	0.14	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
4-Methyl-2-pentanone (MIBK)	0.22	U	5.4	0.22	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Acetone	1.8	U	5.4	1.8	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Benzene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Bromoform	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Bromomethane	0.46	U	1.1	0.46	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Carbon disulfide	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Carbon tetrachloride	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Chlorobenzene	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Chlorobromomethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Chlorodibromomethane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Chloroethane	0.36	U	1.1	0.36	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Chloroform	0.26	U	1.1	0.26	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Chloromethane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
cis-1,2-Dichloroethene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
cis-1,3-Dichloropropene	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Cyclohexane	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Dichlorobromomethane	0.34	U	1.1	0.34	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Dichlorodifluoromethane	0.24	U	1.1	0.24	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Ethylbenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Ethylene Dibromide	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Isopropylbenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Methyl acetate	0.34	U	5.4	0.34	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Methyl tert-butyl ether	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Methylcyclohexane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Methylene Chloride	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
m-Xylene & p-Xylene	0.64	U	1.1	0.64	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
o-Xylene	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1

Client Sample ID: TCHS-S8 3-3.5
Date Collected: 06/10/14 10:45
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-6
Matrix: Solid
Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.30	U	1.1	0.30	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Tetrachloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Toluene	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
trans-1,2-Dichloroethene	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
2-Methyl-2-propanol	3.4	U	11	3.4	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
trans-1,3-Dichloropropene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Trichloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Trichlorofluoromethane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
Vinyl chloride	0.37	U	1.1	0.37	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,2-Dichloroethane	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,2-Dichlorobenzene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,2-Dibromo-3-Chloropropane	0.47	U	1.1	0.47	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1
1,1,1,2-Tetrachloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:18	06/17/14 01:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 13:18*	*06/17/14 01:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*06/11/14 13:18*	*06/17/14 01:17*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*	*06/11/14 13:18*	*06/17/14 01:17*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*06/11/14 13:18*	*06/17/14 01:17*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*06/11/14 13:18*	*06/17/14 01:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	56	U *	370	56	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Phenol	8.8	U	75	8.8	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Bis(2-chloroethyl)ether	10	U	75	10	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2-Chlorophenol	30	U	370	30	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2-Methylphenol	26	U	370	26	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,2'-oxybis[1-chloropropane]	8.0	U	75	8.0	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Acetophenone	31	U	370	31	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Methylphenol, 3 & 4	36	U	370	36	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
N-Nitrosodi-n-propylamine	8.7	U	75	8.7	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Hexachloroethane	27	U	370	27	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Nitrobenzene	31	U	750	31	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Isophorone	28	U	370	28	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2-Nitrophenol	41	U	370	41	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,4-Dimethylphenol	58	U	370	58	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Bis(2-chloroethoxy)methane	24	U	370	24	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,4-Dichlorophenol	7.5	U	75	7.5	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Naphthalene	6.4	U	75	6.4	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
4-Chloroaniline	30	U	370	30	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Hexachlorobutadiene	8.3	U	75	8.3	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Caprolactam	280	U	1900	280	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
4-Chloro-3-methylphenol	34	U	370	34	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2-Methylnaphthalene	6.7	U	75	6.7	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Hexachlorocyclopentadiene	40	U	370	40	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,4,5-Trichlorophenol	40	U	370	40	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,4,6-Trichlorophenol	56	U	370	56	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1

Client Sample ID: TCHS-S8 3-3.5
Date Collected: 06/10/14 10:45
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-6
Matrix: Solid
Percent Solids: 89.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	33	U	370	33	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2-Chloronaphthalene	7.8	U	75	7.8	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2-Nitroaniline	170	U	1900	170	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Dimethyl phthalate	40	U	370	40	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,6-Dinitrotoluene	38	U	370	38	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Acenaphthylene	8.5	U	75	8.5	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
3-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Acenaphthene	7.1	U	75	7.1	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,4-Dinitrophenol	440	U	1900	440	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
4-Nitrophenol	140	U	1900	140	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Dibenzofuran	37	U	370	37	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,4-Dinitrotoluene	30	U	370	30	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Diethyl phthalate	41	U	370	41	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Fluorene	9.8	U	75	9.8	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
4-Chlorophenyl phenyl ether	41	U	370	41	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
4-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
4,6-Dinitro-2-methylphenol	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
N-Nitrosodiphenylamine	34	U	370	34	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
1,2,4,5-Tetrachlorobenzene	28	U	370	28	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
4-Bromophenyl phenyl ether	32	U	370	32	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Hexachlorobenzene	7.9	U	75	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Atrazine	36	U *	370	36	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Pentachlorophenol	33	U	370	33	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Phenanthrene	12	U	75	12	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Anthracene	7.3	U	75	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Carbazole	6.9	U	75	6.9	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Di-n-butyl phthalate	47	U	370	47	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Fluoranthene	**34**	**J**	75	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Pyrene	**38**	**J**	75	7.5	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Butyl benzyl phthalate	51	U	370	51	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
3,3'-Dichlorobenzidine	39	U	370	39	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Benzo[a]anthracene	**25**	**J**	75	9.3	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Chrysene	**31**	**J**	75	8.9	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Bis(2-ethylhexyl) phthalate	**230**	**J**	750	60	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Di-n-octyl phthalate	39	U	370	39	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Benzo[b]fluoranthene	**25**	**J**	75	12	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Benzo[k]fluoranthene	**23**	**J**	75	15	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Benzo[a]pyrene	7.4	U	75	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Benzo[g,h,i]perylene	**22**	**J**	75	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Indeno[1,2,3-cd]pyrene	**14**	**J**	75	7.7	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
Dibenz(a,h)anthracene	8.3	U	75	8.3	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1
2,3,4,6-Tetrachlorophenol	24	U	370	24	ug/Kg	☼	06/16/14 03:20	06/16/14 17:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/16/14 03:20*	*06/16/14 17:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*55*		*25 - 104*	*06/16/14 03:20*	*06/16/14 17:40*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*35 - 124*	*06/16/14 03:20*	*06/16/14 17:40*	*1*
2-Fluorophenol (Surr)	*53*		*39 - 103*	*06/16/14 03:20*	*06/16/14 17:40*	*1*

Client Sample ID: TCHS-S8 3-3.5
Date Collected: 06/10/14 10:45
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-6
Matrix: Solid
Percent Solids: 89.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*63*		*35 - 105*	*06/16/14 03:20*	*06/16/14 17:40*	*1*
Phenol-d5 (Surr)	*58*		*25 - 105*	*06/16/14 03:20*	*06/16/14 17:40*	*1*
Terphenyl-d14 (Surr)	*59*		*25 - 127*	*06/16/14 03:20*	*06/16/14 17:40*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.5	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
4,4'-DDE	1.4	U	7.5	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
4,4'-DDT	1.8	U	7.5	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Aldrin	1.6	U	7.5	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
alpha-BHC	1.7	U	7.5	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
beta-BHC	1.8	U	7.5	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Chlordane (technical)	21	U	75	21	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
delta-BHC	1.3	U	7.5	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Dieldrin	1.3	U	7.5	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Endosulfan I	1.7	U	7.5	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Endosulfan II	1.4	U	7.5	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Endosulfan sulfate	1.4	U	7.5	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Endrin	1.8	U	7.5	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Endrin aldehyde	1.1	U	7.5	1.1	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Endrin ketone	1.4	U	7.5	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
gamma-BHC (Lindane)	1.3	U	7.5	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Heptachlor	1.8	U	7.5	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Heptachlor epoxide	1.7	U	7.5	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Methoxychlor	1.8	U	7.5	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1
Toxaphene	20	U	75	20	ug/Kg	☼	06/16/14 05:53	06/16/14 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*115*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:12*	*1*
DCB Decachlorobiphenyl	*112*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:12*	*1*
Tetrachloro-m-xylene	*106*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:12*	*1*
Tetrachloro-m-xylene	*98*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	17	U	75	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Aroclor 1221	17	U	75	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Aroclor 1232	17	U	75	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Aroclor 1242	17	U	75	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Aroclor 1248	17	U	75	17	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Aroclor 1254	21	U	75	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Aroclor 1260	21	U	75	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Aroclor-1262	21	U	75	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Aroclor 1268	21	U	75	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1
Polychlorinated biphenyls, Total	21	U	75	21	ug/Kg	☼	06/16/14 05:24	06/16/14 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*102*		*53 - 150*	*06/16/14 05:24*	*06/16/14 16:55*	*1*
DCB Decachlorobiphenyl	*107*		*53 - 150*	*06/16/14 05:24*	*06/16/14 16:55*	*1*

Client Sample ID: TCHS-S8 3-3.5

Date Collected: 06/10/14 10:45
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-6

Matrix: Solid
Percent Solids: 89.7

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.4	U	19	2.4	ug/Kg	☼	06/12/14 20:27	06/14/14 04:00	1
Silvex (2,4,5-TP)	2.1	U	19	2.1	ug/Kg	☼	06/12/14 20:27	06/14/14 04:00	1
2,4,5-T	3.8	U	19	3.8	ug/Kg	☼	06/12/14 20:27	06/14/14 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*145*		*69 - 150*	*06/12/14 20:27*	*06/14/14 04:00*	*1*
2,4-Dichlorophenylacetic acid	*145*		*69 - 150*	*06/12/14 20:27*	*06/14/14 04:00*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:03	1
C9-C12 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:03	1
C16-C21 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:03	1
C21-C40 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:03	1
C16-C21 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:03	1
C10-C12 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:03	1
C12-C16 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:03	1
C21-C36 Aromatic	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:03*	*1*
2-Fluorobiphenyl	*86*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:03*	*1*
2-Bromonaphthalene	*74*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:03*	*1*
1-Chlorooctadecane	*51*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.41	U	2.1	0.41	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Aluminum	**7990**		42.4	23.5	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Arsenic	**3.7**		3.2	0.87	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Barium	**58.3**		42.4	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Beryllium	**0.37**	**J**	0.42	0.29	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Calcium	**652**	**J**	1060	81.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Cadmium	0.30	U	0.85	0.30	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Cobalt	**5.3**	**J**	10.6	0.96	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Chromium	**11.0**		2.1	0.85	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Copper	**30.2**		5.3	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Iron	**15400**		31.8	26.4	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Potassium	**472**	**J**	1060	29.3	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Magnesium	**1840**		1060	70.5	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Manganese	**395**		3.2	0.91	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Sodium	80.2	U	1060	80.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Nickel	**12.7**		8.5	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Lead	**55.4**		2.1	0.87	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Antimony	1.6	U	4.2	1.6	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4

Client Sample ID: TCHS-S8 3-3.5

Lab Sample ID: 460-77515-6

Date Collected: 06/10/14 10:45
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 89.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.2	U	4.2	1.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Thallium	2.1	U	4.2	2.1	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Vanadium	**15.9**		10.6	0.88	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4
Zinc	**91.4**		6.4	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:10	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.019	0.013	mg/Kg	☼	06/13/14 05:45	06/13/14 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.3**		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	**89.7**		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S9 0-0.5

Lab Sample ID: 460-77515-7

Date Collected: 06/10/14 14:05
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 92.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,1,2,2-Tetrachloroethane	0.13	U	1.4	0.13	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,1,2-Trichloroethane	0.20	U	1.4	0.20	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,1-Dichloroethane	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,1-Dichloroethene	0.27	U	1.4	0.27	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,2,3-Trichlorobenzene	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,2,4-Trichlorobenzene	0.27	U	1.4	0.27	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,2-Dichloropropane	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,3-Dichlorobenzene	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,4-Dichlorobenzene	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,4-Dioxane	18	U	29	18	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
2-Butanone (MEK)	0.90	U	7.2	0.90	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
2-Hexanone	0.19	U	7.2	0.19	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
4-Methyl-2-pentanone (MIBK)	0.29	U	7.2	0.29	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Acetone	2.4	U	7.2	2.4	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Benzene	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Bromoform	0.24	U	1.4	0.24	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Bromomethane	0.62	U	1.4	0.62	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Carbon disulfide	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Carbon tetrachloride	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Chlorobenzene	0.26	U	1.4	0.26	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Chlorobromomethane	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Chlorodibromomethane	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Chloroethane	0.47	U	1.4	0.47	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Chloroform	0.34	U	1.4	0.34	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Chloromethane	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
cis-1,2-Dichloroethene	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
cis-1,3-Dichloropropene	0.20	U	1.4	0.20	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Cyclohexane	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1

Client Sample ID: TCHS-S9 0-0.5
Date Collected: 06/10/14 14:05
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-7
Matrix: Solid
Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.46	U	1.4	0.46	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Dichlorodifluoromethane	0.32	U	1.4	0.32	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Ethylbenzene	0.24	U	1.4	0.24	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Ethylene Dibromide	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Isopropylbenzene	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Methyl acetate	0.46	U	7.2	0.46	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Methyl tert-butyl ether	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Methylcyclohexane	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Methylene Chloride	**0.54**	**J B**	1.4	0.21	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
m-Xylene & p-Xylene	0.85	U	1.4	0.85	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
o-Xylene	0.27	U	1.4	0.27	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Styrene	0.40	U	1.4	0.40	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Tetrachloroethene	0.17	U	1.4	0.17	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Toluene	0.20	U	1.4	0.20	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
trans-1,2-Dichloroethene	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
2-Methyl-2-propanol	4.5	U	14	4.5	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
trans-1,3-Dichloropropene	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Trichloroethene	0.17	U	1.4	0.17	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Trichlorofluoromethane	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
Vinyl chloride	0.49	U	1.4	0.49	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,2-Dichloroethane	0.26	U	1.4	0.26	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,2-Dichlorobenzene	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,2-Dibromo-3-Chloropropane	0.63	U	1.4	0.63	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1
1,1,1,2-Tetrachloroethane	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 13:19	06/17/14 01:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 13:19*	*06/17/14 01:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*06/11/14 13:19*	*06/17/14 01:42*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*	*06/11/14 13:19*	*06/17/14 01:42*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*06/11/14 13:19*	*06/17/14 01:42*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*06/11/14 13:19*	*06/17/14 01:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	53	U *	350	53	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Phenol	8.4	U	72	8.4	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Bis(2-chloroethyl)ether	9.6	U	72	9.6	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2-Chlorophenol	29	U	350	29	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2-Methylphenol	25	U	350	25	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,2'-oxybis[1-chloropropane]	7.7	U	72	7.7	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Acetophenone	29	U	350	29	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Methylphenol, 3 & 4	35	U	350	35	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
N-Nitrosodi-n-propylamine	8.4	U	72	8.4	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Hexachloroethane	26	U	350	26	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Nitrobenzene	30	U	720	30	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Isophorone	27	U	350	27	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2-Nitrophenol	39	U	350	39	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,4-Dimethylphenol	56	U	350	56	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S9 0-0.5
Date Collected: 06/10/14 14:05
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-7
Matrix: Solid
Percent Solids: 92.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	23	U	350	23	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,4-Dichlorophenol	7.2	U	72	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Naphthalene	6.1	U	72	6.1	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
4-Chloroaniline	29	U	350	29	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Hexachlorobutadiene	8.0	U	72	8.0	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Caprolactam	270	U	1800	270	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
4-Chloro-3-methylphenol	33	U	350	33	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2-Methylnaphthalene	6.4	U	72	6.4	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Hexachlorocyclopentadiene	38	U	350	38	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,4,5-Trichlorophenol	38	U	350	38	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,4,6-Trichlorophenol	53	U	350	53	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
1,1'-Biphenyl	32	U	350	32	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2-Chloronaphthalene	7.4	U	72	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2-Nitroaniline	160	U	1800	160	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Dimethyl phthalate	39	U	350	39	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,6-Dinitrotoluene	37	U	350	37	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Acenaphthylene	8.2	U	72	8.2	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
3-Nitroaniline	150	U	1800	150	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Acenaphthene	6.9	U	72	6.9	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,4-Dinitrophenol	420	U	1800	420	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
4-Nitrophenol	130	U	1800	130	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Dibenzofuran	35	U	350	35	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,4-Dinitrotoluene	29	U	350	29	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Diethyl phthalate	39	U	350	39	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Fluorene	9.4	U	72	9.4	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
4-Chlorophenyl phenyl ether	40	U	350	40	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
4-Nitroaniline	140	U	1800	140	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
4,6-Dinitro-2-methylphenol	140	U	1800	140	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
N-Nitrosodiphenylamine	33	U	350	33	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
1,2,4,5-Tetrachlorobenzene	27	U	350	27	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
4-Bromophenyl phenyl ether	31	U	350	31	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Hexachlorobenzene	7.6	U	72	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Atrazine	35	U *	350	35	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Pentachlorophenol	32	U	350	32	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Phenanthrene	11	U	72	11	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Anthracene	7.0	U	72	7.0	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Carbazole	6.6	U	72	6.6	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Di-n-butyl phthalate	45	U	350	45	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Fluoranthene	**28**	**J**	72	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Pyrene	**24**	**J**	72	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Butyl benzyl phthalate	49	U	350	49	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
3,3'-Dichlorobenzidine	38	U	350	38	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Benzo[a]anthracene	**20**	**J**	72	8.9	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Chrysene	**20**	**J**	72	8.5	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Bis(2-ethylhexyl) phthalate	**250**	**J**	720	58	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Di-n-octyl phthalate	38	U	350	38	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Benzo[b]fluoranthene	11	U	72	11	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Benzo[k]fluoranthene	14	U	72	14	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Benzo[a]pyrene	7.1	U	72	7.1	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1

Client Sample ID: TCHS-S9 0-0.5
Date Collected: 06/10/14 14:05
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-7
Matrix: Solid
Percent Solids: 92.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	7.1	U	72	7.1	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Indeno[1,2,3-cd]pyrene	7.3	U	72	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
Dibenz(a,h)anthracene	7.9	U	72	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1
2,3,4,6-Tetrachlorophenol	23	U	350	23	ug/Kg	☼	06/16/14 03:20	06/16/14 18:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*J*	*ug/Kg*	☼	*15.55*		*06/16/14 03:20*	*06/16/14 18:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*	*06/16/14 03:20*	*06/16/14 18:09*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*	*06/16/14 03:20*	*06/16/14 18:09*	*1*
2-Fluorophenol (Surr)	*60*		*39 - 103*	*06/16/14 03:20*	*06/16/14 18:09*	*1*
2-Fluorobiphenyl	*69*		*35 - 105*	*06/16/14 03:20*	*06/16/14 18:09*	*1*
Phenol-d5 (Surr)	*60*		*25 - 105*	*06/16/14 03:20*	*06/16/14 18:09*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*06/16/14 03:20*	*06/16/14 18:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
4,4'-DDE	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
4,4'-DDT	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Aldrin	1.5	U	7.2	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
alpha-BHC	1.6	U	7.2	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
beta-BHC	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Chlordane (technical)	21	U	72	21	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
delta-BHC	1.3	U	7.2	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Dieldrin	1.3	U	7.2	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Endosulfan I	1.6	U	7.2	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Endosulfan II	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Endosulfan sulfate	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Endrin	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Endrin aldehyde	1.1	U	7.2	1.1	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Endrin ketone	1.4	U	7.2	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
gamma-BHC (Lindane)	1.3	U	7.2	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Heptachlor	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Heptachlor epoxide	1.6	U	7.2	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Methoxychlor	1.7	U	7.2	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1
Toxaphene	19	U	72	19	ug/Kg	☼	06/16/14 05:53	06/16/14 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:23*	*1*
DCB Decachlorobiphenyl	*109*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:23*	*1*
Tetrachloro-m-xylene	*98*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:23*	*1*
Tetrachloro-m-xylene	*99*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1
Aroclor 1221	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1
Aroclor 1232	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1
Aroclor 1242	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1

Client Sample ID: TCHS-S9 0-0.5
Date Collected: 06/10/14 14:05
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-7
Matrix: Solid
Percent Solids: 92.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	16	U	72	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1
Aroclor 1254	21	U	72	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1
Aroclor 1260	21	U	72	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1
Aroclor-1262	21	U	72	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1
Aroclor 1268	21	U	72	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1
Polychlorinated biphenyls, Total	21	U	72	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*53 - 150*	*06/16/14 05:24*	*06/16/14 17:14*	*1*
DCB Decachlorobiphenyl	*115*		*53 - 150*	*06/16/14 05:24*	*06/16/14 17:14*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.3	U	18	2.3	ug/Kg	☼	06/12/14 20:27	06/14/14 07:14	1
Silvex (2,4,5-TP)	2.0	U	18	2.0	ug/Kg	☼	06/12/14 20:27	06/14/14 07:14	1
2,4,5-T	3.7	U	18	3.7	ug/Kg	☼	06/12/14 20:27	06/14/14 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*150*		*69 - 150*	*06/12/14 20:27*	*06/14/14 07:14*	*1*
2,4-Dichlorophenylacetic acid	*139*		*69 - 150*	*06/12/14 20:27*	*06/14/14 07:14*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:18	1
C9-C12 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:18	1
C16-C21 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:18	1
C21-C40 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:18	1
C16-C21 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:18	1
C10-C12 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:18	1
C12-C16 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:18	1
C21-C36 Aromatic	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:18*	*1*
2-Fluorobiphenyl	*83*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:18*	*1*
2-Bromonaphthalene	*71*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:18*	*1*
1-Chlorooctadecane	*46*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.39	U	2.0	0.39	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Aluminum	**8920**		40.5	22.4	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Arsenic	**3.2**		3.0	0.83	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Barium	**67.4**		40.5	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Beryllium	**0.46**		0.40	0.28	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4

Client Sample ID: TCHS-S9 0-0.5

Lab Sample ID: 460-77515-7

Date Collected: 06/10/14 14:05
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 92.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	665	J	1010	77.5	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Cadmium	0.29	U	0.81	0.29	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Cobalt	5.1	J	10.1	0.91	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Chromium	11.9		2.0	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Copper	11.5		5.1	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Iron	15300		30.4	25.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Potassium	373	J	1010	27.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Magnesium	1720		1010	67.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Manganese	381		3.0	0.87	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Sodium	76.5	U	1010	76.5	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Nickel	12.3		8.1	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Lead	23.8		2.0	0.83	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Antimony	1.5	U	4.0	1.5	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Selenium	1.2	U	4.0	1.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Thallium	2.0	U	4.0	2.0	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Vanadium	14.8		10.1	0.84	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4
Zinc	39.6		6.1	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:14	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.3		0.035	0.024	mg/Kg	☼	06/13/14 05:45	06/13/14 10:11	2

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	92.3		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S9 10-10.5

Lab Sample ID: 460-77515-8

Date Collected: 06/10/14 14:15
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 91.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,1,2,2-Tetrachloroethane	0.10	U	1.1	0.10	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,1,2-Trichloroethane	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,1-Dichloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,1-Dichloroethene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,2,3-Trichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,2,4-Trichlorobenzene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,2-Dichloropropane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,3-Dichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,4-Dichlorobenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,4-Dioxane	14	U	22	14	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
2-Butanone (MEK)	0.70	U	5.6	0.70	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
2-Hexanone	0.14	U	5.6	0.14	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
4-Methyl-2-pentanone (MIBK)	0.22	U	5.6	0.22	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Acetone	1.9	U	5.6	1.9	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Benzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1

Client Sample ID: TCHS-S9 10-10.5
Date Collected: 06/10/14 14:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-8
Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Bromomethane	0.48	U	1.1	0.48	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Carbon disulfide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Carbon tetrachloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Chlorobenzene	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Chlorobromomethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Chlorodibromomethane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Chloroethane	0.37	U	1.1	0.37	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Chloroform	0.27	U	1.1	0.27	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Chloromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
cis-1,2-Dichloroethene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
cis-1,3-Dichloropropene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Cyclohexane	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Dichlorobromomethane	0.36	U	1.1	0.36	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Dichlorodifluoromethane	0.24	U	1.1	0.24	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Ethylbenzene	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Ethylene Dibromide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Isopropylbenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Methyl acetate	0.36	U	5.6	0.36	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Methyl tert-butyl ether	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Methylcyclohexane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Methylene Chloride	**0.30**	**J B**	1.1	0.17	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
m-Xylene & p-Xylene	0.66	U	1.1	0.66	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
o-Xylene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Styrene	0.31	U	1.1	0.31	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Tetrachloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Toluene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
trans-1,2-Dichloroethene	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
2-Methyl-2-propanol	3.5	U	11	3.5	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
trans-1,3-Dichloropropene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Trichloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Trichlorofluoromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
Vinyl chloride	0.38	U	1.1	0.38	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,2-Dichloroethane	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,2-Dichlorobenzene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,2-Dibromo-3-Chloropropane	0.49	U	1.1	0.49	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1
1,1,1,2-Tetrachloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:20	06/17/14 02:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 13:20*	*06/17/14 02:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*06/11/14 13:20*	*06/17/14 02:07*	*1*
4-Bromofluorobenzene	*95*		*70 - 130*	*06/11/14 13:20*	*06/17/14 02:07*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*06/11/14 13:20*	*06/17/14 02:07*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*06/11/14 13:20*	*06/17/14 02:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	54	U *	360	54	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S9 10-10.5
Date Collected: 06/10/14 14:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-8
Matrix: Solid
Percent Solids: 91.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	8.5	U	73	8.5	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Bis(2-chloroethyl)ether	9.7	U	73	9.7	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2-Chlorophenol	30	U	360	30	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2-Methylphenol	25	U	360	25	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,2'-oxybis[1-chloropropane]	7.8	U	73	7.8	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Acetophenone	30	U	360	30	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Methylphenol, 3 & 4	35	U	360	35	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
N-Nitrosodi-n-propylamine	8.5	U	73	8.5	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Hexachloroethane	26	U	360	26	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Nitrobenzene	30	U	730	30	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Isophorone	27	U	360	27	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2-Nitrophenol	40	U	360	40	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,4-Dimethylphenol	57	U	360	57	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Bis(2-chloroethoxy)methane	24	U	360	24	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,4-Dichlorophenol	7.3	U	73	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Naphthalene	6.2	U	73	6.2	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
4-Chloroaniline	29	U	360	29	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Hexachlorobutadiene	8.1	U	73	8.1	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Caprolactam	270	U	1800	270	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
4-Chloro-3-methylphenol	33	U	360	33	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2-Methylnaphthalene	6.5	U	73	6.5	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Hexachlorocyclopentadiene	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,4,5-Trichlorophenol	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,4,6-Trichlorophenol	54	U	360	54	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
1,1'-Biphenyl	32	U	360	32	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2-Chloronaphthalene	7.5	U	73	7.5	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2-Nitroaniline	160	U	1800	160	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Dimethyl phthalate	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,6-Dinitrotoluene	37	U	360	37	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Acenaphthylene	8.3	U	73	8.3	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
3-Nitroaniline	150	U	1800	150	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Acenaphthene	6.9	U	73	6.9	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,4-Dinitrophenol	430	U	1800	430	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
4-Nitrophenol	130	U	1800	130	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Dibenzofuran	36	U	360	36	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,4-Dinitrotoluene	29	U	360	29	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Diethyl phthalate	39	U	360	39	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Fluorene	9.5	U	73	9.5	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
4-Chlorophenyl phenyl ether	40	U	360	40	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
4-Nitroaniline	150	U	1800	150	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
4,6-Dinitro-2-methylphenol	150	U	1800	150	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
N-Nitrosodiphenylamine	33	U	360	33	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
1,2,4,5-Tetrachlorobenzene	27	U	360	27	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
4-Bromophenyl phenyl ether	31	U	360	31	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Hexachlorobenzene	7.7	U	73	7.7	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Atrazine	35	U *	360	35	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Pentachlorophenol	32	U	360	32	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Phenanthrene	11	U	73	11	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Anthracene	7.1	U	73	7.1	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1

Client Sample ID: TCHS-S9 10-10.5
Date Collected: 06/10/14 14:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-8
Matrix: Solid
Percent Solids: 91.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	6.7	U	73	6.7	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Di-n-butyl phthalate	45	U	360	45	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Fluoranthene	7.7	U	73	7.7	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Pyrene	7.3	U	73	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Butyl benzyl phthalate	49	U	360	49	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
3,3'-Dichlorobenzidine	38	U	360	38	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Benzo[a]anthracene	9.1	U	73	9.1	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Chrysene	8.6	U	73	8.6	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Bis(2-ethylhexyl) phthalate	**220**	**J**	730	58	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Di-n-octyl phthalate	38	U	360	38	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Benzo[b]fluoranthene	11	U	73	11	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Benzo[k]fluoranthene	15	U	73	15	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Benzo[a]pyrene	7.2	U	73	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Benzo[g,h,i]perylene	7.2	U	73	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Indeno[1,2,3-cd]pyrene	7.4	U	73	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
Dibenz(a,h)anthracene	8.0	U	73	8.0	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1
2,3,4,6-Tetrachlorophenol	23	U	360	23	ug/Kg	☼	06/16/14 03:20	06/16/14 18:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/16/14 03:20*	*06/16/14 18:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*06/16/14 03:20*	*06/16/14 18:38*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*	*06/16/14 03:20*	*06/16/14 18:38*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*06/16/14 03:20*	*06/16/14 18:38*	*1*
2-Fluorobiphenyl	*65*		*35 - 105*	*06/16/14 03:20*	*06/16/14 18:38*	*1*
Phenol-d5 (Surr)	*62*		*25 - 105*	*06/16/14 03:20*	*06/16/14 18:38*	*1*
Terphenyl-d14 (Surr)	*62*		*25 - 127*	*06/16/14 03:20*	*06/16/14 18:38*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.3	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
4,4'-DDE	1.4	U	7.3	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
4,4'-DDT	1.7	U	7.3	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Aldrin	1.5	U	7.3	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
alpha-BHC	1.6	U	7.3	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
beta-BHC	1.7	U	7.3	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Chlordane (technical)	21	U	73	21	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
delta-BHC	1.3	U	7.3	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Dieldrin	1.3	U	7.3	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Endosulfan I	1.6	U	7.3	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Endosulfan II	1.4	U	7.3	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Endosulfan sulfate	1.4	U	7.3	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Endrin	1.7	U	7.3	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Endrin aldehyde	1.1	U	7.3	1.1	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Endrin ketone	1.4	U	7.3	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
gamma-BHC (Lindane)	1.3	U	7.3	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Heptachlor	1.7	U	7.3	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Heptachlor epoxide	1.6	U	7.3	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1
Methoxychlor	1.7	U	7.3	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1

Client Sample ID: TCHS-S9 10-10.5
Date Collected: 06/10/14 14:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-8
Matrix: Solid
Percent Solids: 91.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	20	U	73	20	ug/Kg	☼	06/16/14 05:53	06/16/14 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:35*	*1*
DCB Decachlorobiphenyl	*110*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:35*	*1*
Tetrachloro-m-xylene	*99*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:35*	*1*
Tetrachloro-m-xylene	*99*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	16	U	73	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Aroclor 1221	16	U	73	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Aroclor 1232	16	U	73	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Aroclor 1242	16	U	73	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Aroclor 1248	16	U	73	16	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Aroclor 1254	21	U	73	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Aroclor 1260	21	U	73	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Aroclor-1262	21	U	73	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Aroclor 1268	21	U	73	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1
Polychlorinated biphenyls, Total	21	U	73	21	ug/Kg	☼	06/16/14 05:24	06/16/14 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*53 - 150*	*06/16/14 05:24*	*06/16/14 17:34*	*1*
DCB Decachlorobiphenyl	*107*		*53 - 150*	*06/16/14 05:24*	*06/16/14 17:34*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.4	U	19	2.4	ug/Kg	☼	06/12/14 20:27	06/14/14 05:05	1
Silvex (2,4,5-TP)	2.0	U	19	2.0	ug/Kg	☼	06/12/14 20:27	06/14/14 05:05	1
2,4,5-T	3.7	U	19	3.7	ug/Kg	☼	06/12/14 20:27	06/14/14 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*149*		*69 - 150*	*06/12/14 20:27*	*06/14/14 05:05*	*1*
2,4-Dichlorophenylacetic acid	*150*		*69 - 150*	*06/12/14 20:27*	*06/14/14 05:05*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:34	1
C9-C12 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:34	1
C16-C21 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:34	1
C21-C40 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:34	1
C16-C21 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:34	1
C10-C12 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:34	1
C12-C16 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:34	1
C21-C36 Aromatic	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 14:34	1

Client Sample ID: TCHS-S9 10-10.5

Lab Sample ID: 460-77515-8

Date Collected: 06/10/14 14:15
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 91.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:34*	*1*
2-Fluorobiphenyl	*81*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:34*	*1*
2-Bromonaphthalene	*70*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:34*	*1*
1-Chlorooctadecane	*50*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:34*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.38	U	2.0	0.38	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Aluminum	**6490**		39.7	21.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Arsenic	**3.3**		3.0	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Barium	**27.0**	**J**	39.7	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Beryllium	**0.30**	**J**	0.40	0.27	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Calcium	**411**	**J**	991	75.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Cadmium	0.28	U	0.79	0.28	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Cobalt	**5.3**	**J**	9.9	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Chromium	**13.2**		2.0	0.79	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Copper	**14.0**		5.0	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Iron	**14400**		29.7	24.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Potassium	**510**	**J**	991	27.4	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Magnesium	**1840**		991	65.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Manganese	**236**		3.0	0.85	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Sodium	75.0	U	991	75.0	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Nickel	**14.1**		7.9	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Lead	**27.7**		2.0	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Antimony	1.5	U	4.0	1.5	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Selenium	1.1	U	4.0	1.1	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Thallium	1.9	U	4.0	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Vanadium	**12.4**		9.9	0.82	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4
Zinc	**48.9**		5.9	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:17	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.017	0.012	mg/Kg	☼	06/13/14 05:45	06/13/14 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.3**		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	**91.7**		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S10 0-0.5

Lab Sample ID: 460-77515-9

Date Collected: 06/10/14 11:15
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 87.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,1,2,2-Tetrachloroethane	0.098	U	1.1	0.098	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,1,2-Trichloroethane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,1-Dichloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,1-Dichloroethene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S10 0-0.5
Date Collected: 06/10/14 11:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-9
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,2,4-Trichlorobenzene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,2-Dichloropropane	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,3-Dichlorobenzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,4-Dichlorobenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,4-Dioxane	14	U	22	14	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
2-Butanone (MEK)	0.69	U	5.5	0.69	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
2-Hexanone	0.14	U	5.5	0.14	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
4-Methyl-2-pentanone (MIBK)	0.22	U	5.5	0.22	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Acetone	**2.6**	**J B**	5.5	1.8	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Benzene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Bromoform	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Bromomethane	0.47	U	1.1	0.47	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Carbon disulfide	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Carbon tetrachloride	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Chlorobenzene	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Chlorobromomethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Chlorodibromomethane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Chloroethane	0.36	U	1.1	0.36	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Chloroform	0.26	U	1.1	0.26	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Chloromethane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
cis-1,2-Dichloroethene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
cis-1,3-Dichloropropene	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Cyclohexane	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Dichlorobromomethane	0.35	U	1.1	0.35	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Dichlorodifluoromethane	0.24	U	1.1	0.24	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Ethylbenzene	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Ethylene Dibromide	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Isopropylbenzene	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Methyl acetate	0.35	U	5.5	0.35	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Methyl tert-butyl ether	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Methylcyclohexane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Methylene Chloride	**0.19**	**J B**	1.1	0.16	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
m-Xylene & p-Xylene	0.64	U	1.1	0.64	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
o-Xylene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Styrene	0.31	U	1.1	0.31	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Tetrachloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Toluene	**0.22**	**J**	1.1	0.15	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
trans-1,2-Dichloroethene	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
2-Methyl-2-propanol	3.4	U	11	3.4	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
trans-1,3-Dichloropropene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Trichloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Trichlorofluoromethane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
Vinyl chloride	0.37	U	1.1	0.37	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,2-Dichloroethane	0.20	U	1.1	0.20	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,2-Dichlorobenzene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,2-Dibromo-3-Chloropropane	0.48	U	1.1	0.48	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1
1,1,1,2-Tetrachloroethane	0.12	U	1.1	0.12	ug/Kg	☼	06/11/14 13:21	06/17/14 02:32	1

Client Sample ID: TCHS-S10 0-0.5
Date Collected: 06/10/14 11:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-9
Matrix: Solid
Percent Solids: 87.8

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			06/11/14 13:21	06/17/14 02:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130	06/11/14 13:21	06/17/14 02:32	1
4-Bromofluorobenzene	97		70 - 130	06/11/14 13:21	06/17/14 02:32	1
Dibromofluoromethane (Surr)	102		70 - 130	06/11/14 13:21	06/17/14 02:32	1
Toluene-d8 (Surr)	102		70 - 130	06/11/14 13:21	06/17/14 02:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	57	U *	380	57	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Phenol	9.0	U	76	9.0	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Bis(2-chloroethyl)ether	10	U	76	10	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2-Chlorophenol	31	U	380	31	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2-Methylphenol	27	U	380	27	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,2'-oxybis[1-chloropropane]	8.2	U	76	8.2	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Acetophenone	31	U	380	31	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Methylphenol, 3 & 4	37	U	380	37	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
N-Nitrosodi-n-propylamine	8.9	U	76	8.9	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Hexachloroethane	27	U	380	27	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Nitrobenzene	32	U	760	32	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Isophorone	29	U	380	29	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2-Nitrophenol	42	U	380	42	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,4-Dimethylphenol	59	U	380	59	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Bis(2-chloroethoxy)methane	25	U	380	25	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,4-Dichlorophenol	7.6	U	76	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Naphthalene	6.5	U	76	6.5	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
4-Chloroaniline	30	U	380	30	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Hexachlorobutadiene	8.5	U	76	8.5	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Caprolactam	290	U	1900	290	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
4-Chloro-3-methylphenol	35	U	380	35	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2-Methylnaphthalene	6.8	U	76	6.8	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Hexachlorocyclopentadiene	41	U	380	41	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,4,5-Trichlorophenol	41	U	380	41	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,4,6-Trichlorophenol	57	U	380	57	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
1,1'-Biphenyl	34	U	380	34	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2-Chloronaphthalene	7.9	U	76	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2-Nitroaniline	170	U	1900	170	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Dimethyl phthalate	41	U	380	41	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,6-Dinitrotoluene	39	U	380	39	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Acenaphthylene	**21**	**J**	76	8.7	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
3-Nitroaniline	160	U	1900	160	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Acenaphthene	**11**	**J**	76	7.3	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,4-Dinitrophenol	450	U	1900	450	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
4-Nitrophenol	140	U	1900	140	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Dibenzofuran	37	U	380	37	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,4-Dinitrotoluene	31	U	380	31	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Diethyl phthalate	41	U	380	41	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Fluorene	10	U	76	10	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
4-Chlorophenyl phenyl ether	42	U	380	42	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1

Client Sample ID: TCHS-S10 0-0.5
Date Collected: 06/10/14 11:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-9
Matrix: Solid
Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
4,6-Dinitro-2-methylphenol	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
N-Nitrosodiphenylamine	35	U	380	35	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
1,2,4,5-Tetrachlorobenzene	29	U	380	29	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
4-Bromophenyl phenyl ether	33	U	380	33	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Hexachlorobenzene	8.1	U	76	8.1	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Atrazine	37	U *	380	37	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Pentachlorophenol	34	U	380	34	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Phenanthrene	**110**		76	12	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Anthracene	**27**	**J**	76	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Carbazole	7.0	U	76	7.0	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Di-n-butyl phthalate	48	U	380	48	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Fluoranthene	**260**		76	8.1	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Pyrene	**210**		76	7.7	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Butyl benzyl phthalate	52	U	380	52	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
3,3'-Dichlorobenzidine	40	U	380	40	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Benzo[a]anthracene	**150**		76	9.5	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Chrysene	**160**		76	9.0	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Bis(2-ethylhexyl) phthalate	**250**	**J**	760	61	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Di-n-octyl phthalate	40	U	380	40	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Benzo[b]fluoranthene	**140**		76	12	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Benzo[k]fluoranthene	**130**		76	15	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Benzo[a]pyrene	**140**		76	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Benzo[g,h,i]perylene	**130**		76	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Indeno[1,2,3-cd]pyrene	**120**		76	7.8	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
Dibenz(a,h)anthracene	8.5	U	76	8.5	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1
2,3,4,6-Tetrachlorophenol	24	U	380	24	ug/Kg	☼	06/16/14 03:20	06/16/14 19:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*J*	*ug/Kg*	☼	*10.32*		*06/16/14 03:20*	*06/16/14 19:08*	*1*
Unknown	*340*	*J*	*ug/Kg*	☼	*15.57*		*06/16/14 03:20*	*06/16/14 19:08*	*1*
Unknown	*160*	*J*	*ug/Kg*	☼	*16.67*		*06/16/14 03:20*	*06/16/14 19:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*06/16/14 03:20*	*06/16/14 19:08*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*35 - 124*	*06/16/14 03:20*	*06/16/14 19:08*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*06/16/14 03:20*	*06/16/14 19:08*	*1*
2-Fluorobiphenyl	*65*		*35 - 105*	*06/16/14 03:20*	*06/16/14 19:08*	*1*
Phenol-d5 (Surr)	*62*		*25 - 105*	*06/16/14 03:20*	*06/16/14 19:08*	*1*
Terphenyl-d14 (Surr)	*58*		*25 - 127*	*06/16/14 03:20*	*06/16/14 19:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.5	U	7.6	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
4,4'-DDE	1.5	U	7.6	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
4,4'-DDT	1.8	U	7.6	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Aldrin	1.6	U	7.6	1.6	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
alpha-BHC	1.7	U	7.6	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
beta-BHC	1.8	U	7.6	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Chlordane (technical)	22	U	76	22	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1

Client Sample ID: TCHS-S10 0-0.5
Date Collected: 06/10/14 11:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-9
Matrix: Solid
Percent Solids: 87.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	1.4	U	7.6	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Dieldrin	1.4	U	7.6	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Endosulfan I	1.7	U	7.6	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Endosulfan II	1.5	U	7.6	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Endosulfan sulfate	1.5	U	7.6	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Endrin	1.8	U	7.6	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Endrin aldehyde	1.1	U	7.6	1.1	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Endrin ketone	1.5	U	7.6	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
gamma-BHC (Lindane)	1.4	U	7.6	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Heptachlor	1.8	U	7.6	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Heptachlor epoxide	1.7	U	7.6	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Methoxychlor	1.8	U	7.6	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1
Toxaphene	20	U	76	20	ug/Kg	☼	06/16/14 05:53	06/16/14 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*117*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:46*	*1*
DCB Decachlorobiphenyl	*106*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:46*	*1*
Tetrachloro-m-xylene	*109*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:46*	*1*
Tetrachloro-m-xylene	*99*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	17	U	76	17	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Aroclor 1221	17	U	76	17	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Aroclor 1232	17	U	76	17	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Aroclor 1242	17	U	76	17	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Aroclor 1248	17	U	76	17	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Aroclor 1254	22	U	76	22	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Aroclor 1260	22	U	76	22	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Aroclor-1262	22	U	76	22	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Aroclor 1268	22	U	76	22	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1
Polychlorinated biphenyls, Total	22	U	76	22	ug/Kg	☼	06/16/14 05:24	06/16/14 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*53 - 150*	*06/16/14 05:24*	*06/16/14 17:53*	*1*
DCB Decachlorobiphenyl	*111*		*53 - 150*	*06/16/14 05:24*	*06/16/14 17:53*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.5	U	19	2.5	ug/Kg	☼	06/12/14 20:27	06/14/14 03:38	1
Silvex (2,4,5-TP)	2.1	U	19	2.1	ug/Kg	☼	06/12/14 20:27	06/14/14 03:38	1
2,4,5-T	3.9	U	19	3.9	ug/Kg	☼	06/12/14 20:27	06/14/14 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*150*		*69 - 150*	*06/12/14 20:27*	*06/14/14 03:38*	*1*
2,4-Dichlorophenylacetic acid	*145*		*69 - 150*	*06/12/14 20:27*	*06/14/14 03:38*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	**47**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	**68**		2.0	2.0	mg/Kg			06/17/14 08:56	1

Client Sample ID: TCHS-S10 0-0.5
Date Collected: 06/10/14 11:15
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-9
Matrix: Solid

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total EPH	110		2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	4.0		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 14:49	1
C9-C12 Aliphatics	11		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 14:49	1
C16-C21 Aliphatics	5.1		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 14:49	1
C21-C40 Aliphatics	48		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 14:49	1
C16-C21 Aromatics	9.0		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 14:49	1
C10-C12 Aromatics	6.0		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 14:49	1
C12-C16 Aromatics	3.8		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 14:49	1
C21-C36 Aromatic	28		2.3	2.3	mg/Kg	☼	06/12/14 12:45	06/13/14 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:49*	*1*
2-Fluorobiphenyl	*90*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:49*	*1*
2-Bromonaphthalene	*79*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:49*	*1*
1-Chlorooctadecane	*56*		*40 - 140*	*06/12/14 12:45*	*06/13/14 14:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.42	U	2.1	0.42	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Aluminum	10600		43.0	23.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Arsenic	1.8	J	3.2	0.88	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Barium	60.9		43.0	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Beryllium	0.31	J	0.43	0.29	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Calcium	5040		1070	82.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Cadmium	0.30	U	0.86	0.30	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Cobalt	17.0		10.7	0.97	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Chromium	7.6		2.1	0.86	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Copper	97.5		5.4	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Iron	31000		32.2	26.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Potassium	458	J	1070	29.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Magnesium	6510		1070	71.3	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Manganese	459		3.2	0.93	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Sodium	775	J	1070	81.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Nickel	16.0		8.6	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Lead	42.3		2.1	0.88	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Antimony	1.6	U	4.3	1.6	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Selenium	1.2	U	4.3	1.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Thallium	2.1	U	4.3	2.1	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Vanadium	62.7		10.7	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4
Zinc	88.4		6.4	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:21	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.41		0.019	0.014	mg/Kg	☼	06/13/14 05:45	06/13/14 10:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.2		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S10 0-0.5

Lab Sample ID: 460-77515-9

Date Collected: 06/10/14 11:15

Matrix: Solid

Date Received: 06/10/14 21:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87.8		1.0	1.0	%			06/12/14 16:22	1

Client Sample ID: TCHS-S10 10-10.5

Lab Sample ID: 460-77515-10

Date Collected: 06/10/14 11:40

Matrix: Solid

Date Received: 06/10/14 21:20

Percent Solids: 90.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.12	U	0.96	0.12	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,1,2,2-Tetrachloroethane	0.086	U	0.96	0.086	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	0.96	0.11	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,1,2-Trichloroethane	0.13	U	0.96	0.13	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,1-Dichloroethane	0.11	U	0.96	0.11	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,1-Dichloroethene	0.18	U	0.96	0.18	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,2,3-Trichlorobenzene	0.15	U	0.96	0.15	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,2,4-Trichlorobenzene	0.18	U	0.96	0.18	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,2-Dichloropropane	0.14	U	0.96	0.14	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,3-Dichlorobenzene	0.15	U	0.96	0.15	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,4-Dichlorobenzene	0.11	U	0.96	0.11	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,4-Dioxane	12	U	19	12	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
2-Butanone (MEK)	0.61	U	4.8	0.61	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
2-Hexanone	0.12	U	4.8	0.12	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
4-Methyl-2-pentanone (MIBK)	0.19	U	4.8	0.19	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Acetone	1.6	U	4.8	1.6	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Benzene	0.14	U	0.96	0.14	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Bromoform	0.16	U	0.96	0.16	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Bromomethane	0.41	U	0.96	0.41	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Carbon disulfide	0.14	U	0.96	0.14	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Carbon tetrachloride	0.14	U	0.96	0.14	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Chlorobenzene	0.17	U	0.96	0.17	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Chlorobromomethane	0.11	U	0.96	0.11	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Chlorodibromomethane	0.096	U	0.96	0.096	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Chloroethane	0.32	U	0.96	0.32	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Chloroform	0.23	U	0.96	0.23	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Chloromethane	0.15	U	0.96	0.15	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
cis-1,2-Dichloroethene	0.11	U	0.96	0.11	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
cis-1,3-Dichloropropene	0.13	U	0.96	0.13	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Cyclohexane	0.12	U	0.96	0.12	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Dichlorobromomethane	0.31	U	0.96	0.31	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Dichlorodifluoromethane	0.21	U	0.96	0.21	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Ethylbenzene	0.16	U	0.96	0.16	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Ethylene Dibromide	0.14	U	0.96	0.14	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Isopropylbenzene	0.11	U	0.96	0.11	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Methyl acetate	0.31	U	4.8	0.31	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Methyl tert-butyl ether	0.11	U	0.96	0.11	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Methylcyclohexane	0.096	U	0.96	0.096	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Methylene Chloride	0.15	J B	0.96	0.14	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
m-Xylene & p-Xylene	0.57	U	0.96	0.57	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
o-Xylene	0.18	U	0.96	0.18	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Styrene	0.27	U	0.96	0.27	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1

Client Sample ID: TCHS-S10 10-10.5
Date Collected: 06/10/14 11:40
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-10
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.12	U	0.96	0.12	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Toluene	**0.18**	**J**	0.96	0.13	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
trans-1,2-Dichloroethene	0.12	U	0.96	0.12	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
2-Methyl-2-propanol	3.0	U	9.6	3.0	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
trans-1,3-Dichloropropene	0.096	U	0.96	0.096	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Trichloroethene	0.12	U	0.96	0.12	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Trichlorofluoromethane	0.15	U	0.96	0.15	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
Vinyl chloride	0.33	U	0.96	0.33	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,2-Dichloroethane	0.17	U	0.96	0.17	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,2-Dichlorobenzene	0.096	U	0.96	0.096	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,2-Dibromo-3-Chloropropane	0.42	U	0.96	0.42	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1
1,1,1,2-Tetrachloroethane	0.11	U	0.96	0.11	ug/Kg	☼	06/11/14 13:22	06/17/14 02:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 13:22*	*06/17/14 02:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*06/11/14 13:22*	*06/17/14 02:56*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*	*06/11/14 13:22*	*06/17/14 02:56*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*06/11/14 13:22*	*06/17/14 02:56*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*06/11/14 13:22*	*06/17/14 02:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	56	U *	370	56	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Phenol	8.8	U	74	8.8	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Bis(2-chloroethyl)ether	9.9	U	74	9.9	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2-Chlorophenol	30	U	370	30	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2-Methylphenol	26	U	370	26	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,2'-oxybis[1-chloropropane]	8.0	U	74	8.0	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Acetophenone	30	U	370	30	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Methylphenol, 3 & 4	36	U	370	36	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
N-Nitrosodi-n-propylamine	8.7	U	74	8.7	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Hexachloroethane	27	U	370	27	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Nitrobenzene	31	U	740	31	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Isophorone	28	U	370	28	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2-Nitrophenol	41	U	370	41	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,4-Dimethylphenol	58	U	370	58	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Bis(2-chloroethoxy)methane	24	U	370	24	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,4-Dichlorophenol	7.4	U	74	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Naphthalene	6.4	U	74	6.4	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
4-Chloroaniline	30	U	370	30	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Hexachlorobutadiene	8.3	U	74	8.3	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Caprolactam	280	U	1900	280	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
4-Chloro-3-methylphenol	34	U	370	34	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2-Methylnaphthalene	6.7	U	74	6.7	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Hexachlorocyclopentadiene	40	U	370	40	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,4,5-Trichlorophenol	40	U	370	40	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,4,6-Trichlorophenol	55	U	370	55	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
1,1'-Biphenyl	33	U	370	33	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1

Client Sample ID: TCHS-S10 10-10.5
Date Collected: 06/10/14 11:40
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-10
Matrix: Solid
Percent Solids: 90.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	7.7	U	74	7.7	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2-Nitroaniline	170	U	1900	170	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Dimethyl phthalate	40	U	370	40	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,6-Dinitrotoluene	38	U	370	38	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Acenaphthylene	8.5	U	74	8.5	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
3-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Acenaphthene	7.1	U	74	7.1	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,4-Dinitrophenol	440	U	1900	440	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
4-Nitrophenol	140	U	1900	140	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Dibenzofuran	36	U	370	36	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,4-Dinitrotoluene	30	U	370	30	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Diethyl phthalate	40	U	370	40	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Fluorene	9.8	U	74	9.8	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
4-Chlorophenyl phenyl ether	41	U	370	41	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
4-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
4,6-Dinitro-2-methylphenol	150	U	1900	150	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
N-Nitrosodiphenylamine	34	U	370	34	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
1,2,4,5-Tetrachlorobenzene	28	U	370	28	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
4-Bromophenyl phenyl ether	32	U	370	32	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Hexachlorobenzene	7.9	U	74	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Atrazine	36	U *	370	36	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Pentachlorophenol	33	U	370	33	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Phenanthrene	12	U	74	12	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Anthracene	7.2	U	74	7.2	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Carbazole	6.8	U	74	6.8	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Di-n-butyl phthalate	46	U	370	46	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Fluoranthene	**31**	**J**	74	7.9	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Pyrene	**26**	**J**	74	7.5	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Butyl benzyl phthalate	51	U	370	51	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
3,3'-Dichlorobenzidine	39	U	370	39	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Benzo[a]anthracene	**21**	**J**	74	9.3	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Chrysene	**22**	**J**	74	8.8	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Bis(2-ethylhexyl) phthalate	**230**	**J**	740	60	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Di-n-octyl phthalate	39	U	370	39	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Benzo[b]fluoranthene	**21**	**J**	74	12	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Benzo[k]fluoranthene	15	U	74	15	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Benzo[a]pyrene	7.4	U	74	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Benzo[g,h,i]perylene	7.4	U	74	7.4	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Indeno[1,2,3-cd]pyrene	7.6	U	74	7.6	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
Dibenz(a,h)anthracene	8.2	U	74	8.2	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1
2,3,4,6-Tetrachlorophenol	24	U	370	24	ug/Kg	☼	06/16/14 03:20	06/16/14 19:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/16/14 03:20*	*06/16/14 19:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*61*		*25 - 104*	*06/16/14 03:20*	*06/16/14 19:37*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*06/16/14 03:20*	*06/16/14 19:37*	*1*
2-Fluorophenol (Surr)	*55*		*39 - 103*	*06/16/14 03:20*	*06/16/14 19:37*	*1*
2-Fluorobiphenyl	*61*		*35 - 105*	*06/16/14 03:20*	*06/16/14 19:37*	*1*

Client Sample ID: TCHS-S10 10-10.5
Date Collected: 06/10/14 11:40
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-10
Matrix: Solid
Percent Solids: 90.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*56*		*25 - 105*	*06/16/14 03:20*	*06/16/14 19:37*	*1*
Terphenyl-d14 (Surr)	*62*		*25 - 127*	*06/16/14 03:20*	*06/16/14 19:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
4,4'-DDE	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
4,4'-DDT	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Aldrin	1.5	U	7.4	1.5	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
alpha-BHC	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
beta-BHC	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Chlordane (technical)	21	U	74	21	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
delta-BHC	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Dieldrin	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Endosulfan I	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Endosulfan II	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Endosulfan sulfate	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Endrin	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Endrin aldehyde	1.1	U	7.4	1.1	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Endrin ketone	1.4	U	7.4	1.4	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
gamma-BHC (Lindane)	1.3	U	7.4	1.3	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Heptachlor	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Heptachlor epoxide	1.7	U	7.4	1.7	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Methoxychlor	1.8	U	7.4	1.8	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1
Toxaphene	20	U	74	20	ug/Kg	☼	06/16/14 05:53	06/16/14 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*110*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:58*	*1*
DCB Decachlorobiphenyl	*108*		*76 - 149*	*06/16/14 05:53*	*06/16/14 16:58*	*1*
Tetrachloro-m-xylene	*94*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:58*	*1*
Tetrachloro-m-xylene	*97*		*72 - 136*	*06/16/14 05:53*	*06/16/14 16:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Aroclor 1221	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Aroclor 1232	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Aroclor 1242	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Aroclor 1248	17	U	74	17	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Aroclor 1254	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Aroclor 1260	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Aroclor-1262	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Aroclor 1268	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1
Polychlorinated biphenyls, Total	21	U	74	21	ug/Kg	☼	06/16/14 05:24	06/16/14 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*104*		*53 - 150*	*06/16/14 05:24*	*06/16/14 18:12*	*1*
DCB Decachlorobiphenyl	*109*		*53 - 150*	*06/16/14 05:24*	*06/16/14 18:12*	*1*

Client Sample ID: TCHS-S10 10-10.5

Date Collected: 06/10/14 11:40
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-10

Matrix: Solid
Percent Solids: 90.0

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.4	U	19	2.4	ug/Kg	☼	06/12/14 20:27	06/14/14 02:12	1
Silvex (2,4,5-TP)	2.1	U	19	2.1	ug/Kg	☼	06/12/14 20:27	06/14/14 02:12	1
2,4,5-T	3.8	U	19	3.8	ug/Kg	☼	06/12/14 20:27	06/14/14 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*150*		*69 - 150*	*06/12/14 20:27*	*06/14/14 02:12*	*1*
2,4-Dichlorophenylacetic acid	*150*		*69 - 150*	*06/12/14 20:27*	*06/14/14 02:12*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 15:04	1
C9-C12 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 15:04	1
C16-C21 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 15:04	1
C21-C40 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 15:04	1
C16-C21 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 15:04	1
C10-C12 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 15:04	1
C12-C16 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 15:04	1
C21-C36 Aromatic	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*40 - 140*	*06/12/14 12:45*	*06/13/14 15:04*	*1*
2-Fluorobiphenyl	*87*		*40 - 140*	*06/12/14 12:45*	*06/13/14 15:04*	*1*
2-Bromonaphthalene	*75*		*40 - 140*	*06/12/14 12:45*	*06/13/14 15:04*	*1*
1-Chlorooctadecane	*48*		*40 - 140*	*06/12/14 12:45*	*06/13/14 15:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.38	U	2.0	0.38	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Aluminum	**9620**		39.3	21.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Arsenic	**3.2**		2.9	0.80	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Barium	**35.7**	**J**	39.3	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Beryllium	**0.53**		0.39	0.27	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Calcium	**972**	**J**	983	75.2	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Cadmium	0.28	U	0.79	0.28	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Cobalt	**4.6**	**J**	9.8	0.89	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Chromium	**31.5**		2.0	0.79	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Copper	**21.0**		4.9	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Iron	**16200**		29.5	24.5	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Potassium	**681**	**J**	983	27.1	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Magnesium	**2560**		983	65.3	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Manganese	**135**		2.9	0.85	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Sodium	74.3	U	983	74.3	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Nickel	**19.3**		7.9	1.8	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Lead	**20.0**		2.0	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Antimony	1.5	U	3.9	1.5	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S10 10-10.5
Date Collected: 06/10/14 11:40
Date Received: 06/10/14 21:20

Lab Sample ID: 460-77515-10
Matrix: Solid
Percent Solids: 90.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.1	U	3.9	1.1	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Thallium	1.9	U	3.9	1.9	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Vanadium	**11.9**		9.8	0.81	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4
Zinc	**52.4**		5.9	1.7	mg/Kg	☼	06/16/14 07:15	06/16/14 16:25	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.017	0.012	mg/Kg	☼	06/13/14 05:45	06/13/14 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		1.0	1.0	%			06/12/14 16:22	1
Percent Solids	**90.0**		1.0	1.0	%			06/12/14 16:22	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
460-77515-1	TCHS-S1 0-0.5	105	98	104	100
460-77515-2	TCHS-S1 9.5-10	81	74	79	76
460-77515-3	TCHS-S7 0-0.5	107	94	103	98
460-77515-4	TCHS-S7 10-10.5	101	95	100	97
460-77515-5	TCHS-S8 0-0.5	106	94	57 X	96
460-77515-6	TCHS-S8 3-3.5	106	96	104	99
460-77515-7	TCHS-S9 0-0.5	106	99	103	100
460-77515-8	TCHS-S9 10-10.5	102	95	103	100
460-77515-9	TCHS-S10 0-0.5	105	97	102	102
460-77515-10	TCHS-S10 10-10.5	105	96	104	97
LB3 460-229938/1-A	Method Blank	100	92	99	98
LCS 460-231011/3	Lab Control Sample	80	77	83	77
LCSD 460-231011/4	Lab Control Sample Dup	101	96	104	97
MB 460-231011/6	Method Blank	97	87	103	87

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	TBP	2FP	FBP	PHL	TPH
Lab Sample ID	Client Sample ID	(25-104)	(35-124)	(39-103)	(35-105)	(25-105)	(25-127)
460-77515-1	TCHS-S1 0-0.5	57	61	60	59	62	61
460-77515-1 MS	TCHS-S1 0-0.5	63	71	58	66	61	61
460-77515-1 MSD	TCHS-S1 0-0.5	63	72	60	65	64	63
460-77515-2	TCHS-S1 9.5-10	64	65	64	69	65	64
460-77515-3	TCHS-S7 0-0.5	62	63	62	67	59	56
460-77515-4	TCHS-S7 10-10.5	53	60	46	57	50	56
460-77515-5	TCHS-S8 0-0.5	65	44	51	69	59	63
460-77515-6	TCHS-S8 3-3.5	55	61	53	63	58	59
460-77515-7	TCHS-S9 0-0.5	65	60	60	69	60	61
460-77515-8	TCHS-S9 10-10.5	63	60	63	65	62	62
460-77515-9	TCHS-S10 0-0.5	63	59	64	65	62	58
460-77515-10	TCHS-S10 10-10.5	61	63	55	61	56	62
LCS 180-108577/2-A	Lab Control Sample	64	68	61	66	60	59
MB 180-108577/1-A	Method Blank	71	66	71	70	70	69

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(76-149)	(76-149)	(72-136)	(72-136)
460-77502-D-1-H MS	Matrix Spike	110	106	100	98
460-77502-D-1-I MSD	Matrix Spike Duplicate	112	111	101	101
460-77515-1	TCHS-S1 0-0.5	115	114	112	106
460-77515-2	TCHS-S1 9.5-10	109	110	98	98
460-77515-3	TCHS-S7 0-0.5	108	108	96	96
460-77515-4	TCHS-S7 10-10.5	110	110	117	96
460-77515-5	TCHS-S8 0-0.5	118	115	109	100
460-77515-6	TCHS-S8 3-3.5	115	112	106	98
460-77515-7	TCHS-S9 0-0.5	109	109	98	99
460-77515-8	TCHS-S9 10-10.5	112	110	99	99
460-77515-9	TCHS-S10 0-0.5	117	106	109	99
460-77515-10	TCHS-S10 10-10.5	110	108	94	97
LCS 460-230834/2-A	Lab Control Sample	101	97	91	87
MB 460-230834/1-A	Method Blank	105	103	87	88

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	DCB2
Lab Sample ID	Client Sample ID	(53-150)	(53-150)
460-77515-1	TCHS-S1 0-0.5	98	104
460-77515-2	TCHS-S1 9.5-10	113	118
460-77515-3	TCHS-S7 0-0.5	105	109
460-77515-4	TCHS-S7 10-10.5	104	109
460-77515-5	TCHS-S8 0-0.5	99	105
460-77515-6	TCHS-S8 3-3.5	102	107
460-77515-7	TCHS-S9 0-0.5	110	115
460-77515-8	TCHS-S9 10-10.5	104	107
460-77515-9	TCHS-S10 0-0.5	104	111
460-77515-10	TCHS-S10 10-10.5	104	109
460-77753-B-1-B MS	Matrix Spike	98	96
460-77753-B-1-C MSD	Matrix Spike Duplicate	97	94
LCS 460-230817/2-A	Lab Control Sample	96	99
MB 460-230817/1-A	Method Blank	107	114

Surrogate Legend

DCB = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1	DCPA2
Lab Sample ID	Client Sample ID	(69-150)	(69-150)
460-77515-1	TCHS-S1 0-0.5	147	152 X

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCPA1 (69-150)	DCPA2 (69-150)								
460-77515-1 MS	TCHS-S1 0-0.5	133	134								
460-77515-1 MSD	TCHS-S1 0-0.5	124	129								
460-77515-2	TCHS-S1 9.5-10	129	142								
460-77515-3	TCHS-S7 0-0.5	150	153 X								
460-77515-4	TCHS-S7 10-10.5	142	146								
460-77515-5	TCHS-S8 0-0.5	136	148								
460-77515-6	TCHS-S8 3-3.5	145	145								
460-77515-7	TCHS-S9 0-0.5	150	139								
460-77515-8	TCHS-S9 10-10.5	149	150								
460-77515-9	TCHS-S10 0-0.5	150	145								
460-77515-10	TCHS-S10 10-10.5	150	150								
LCS 460-230333/2-A	Lab Control Sample	131	129								
MB 460-230333/1-A	Method Blank	131	139								

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	OTPH1 (40-140)	FBP1 (40-140)	2BN1 (40-140)	1COD1 (40-140)						
460-77515-1	TCHS-S1 0-0.5	90	85	73	56						
460-77515-2	TCHS-S1 9.5-10	71	84	74	44						
460-77515-2 MS	TCHS-S1 9.5-10	77	87	75	48						
460-77515-2 MSD	TCHS-S1 9.5-10	74	85	68	49						
460-77515-3	TCHS-S7 0-0.5	77	85	73	51						
460-77515-4	TCHS-S7 10-10.5	75	82	70	51						
460-77515-5	TCHS-S8 0-0.5	87	86	73	56						
460-77515-6	TCHS-S8 3-3.5	84	86	74	51						
460-77515-7	TCHS-S9 0-0.5	69	83	71	46						
460-77515-8	TCHS-S9 10-10.5	78	81	70	50						
460-77515-9	TCHS-S10 0-0.5	93	90	79	56						
460-77515-10	TCHS-S10 10-10.5	76	87	75	48						
LCS 460-230216/2-A	Lab Control Sample	100	86	71	61						
MB 460-230216/1-A	Method Blank	96	92	61	72						

Surrogate Legend

OTPH = o-Terphenyl
FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
1COD = 1-Chlorooctadecane

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 460-229938/1-A
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 229938

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.13	U	1.0	0.13	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	1.0	0.11	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,1,2-Trichloroethane	0.14	U	1.0	0.14	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,2,3-Trichlorobenzene	0.16	U	1.0	0.16	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,2,4-Trichlorobenzene	0.19	U	1.0	0.19	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,3-Dichlorobenzene	0.16	U	1.0	0.16	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,4-Dichlorobenzene	0.11	U	1.0	0.11	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,4-Dioxane	13	U	20	13	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
2-Butanone (MEK)	0.63	U	5.0	0.63	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
2-Hexanone	0.13	U	5.0	0.13	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
4-Methyl-2-pentanone (MIBK)	0.20	U	5.0	0.20	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Acetone	3.45	J	5.0	1.7	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Benzene	0.15	U	1.0	0.15	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Bromoform	0.17	U	1.0	0.17	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Bromomethane	0.43	U	1.0	0.43	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Carbon disulfide	0.15	U	1.0	0.15	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Chlorobenzene	0.18	U	1.0	0.18	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Chlorobromomethane	0.11	U	1.0	0.11	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Chlorodibromomethane	0.10	U	1.0	0.10	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Chloroethane	0.33	U	1.0	0.33	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Chloroform	0.24	U	1.0	0.24	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Chloromethane	0.16	U	1.0	0.16	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
cis-1,2-Dichloroethene	0.11	U	1.0	0.11	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Cyclohexane	0.13	U	1.0	0.13	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Dichlorobromomethane	0.32	U	1.0	0.32	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Dichlorodifluoromethane	0.22	U	1.0	0.22	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Ethylbenzene	0.17	U	1.0	0.17	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Ethylene Dibromide	0.15	U	1.0	0.15	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Isopropylbenzene	0.11	U	1.0	0.11	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Methyl acetate	0.32	U	5.0	0.32	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Methyl tert-butyl ether	0.11	U	1.0	0.11	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Methylcyclohexane	0.10	U	1.0	0.10	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Methylene Chloride	0.191	J	1.0	0.15	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
m-Xylene & p-Xylene	0.59	U	1.0	0.59	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
o-Xylene	0.19	U	1.0	0.19	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Styrene	0.28	U	1.0	0.28	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Toluene	0.14	U	1.0	0.14	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
trans-1,2-Dichloroethene	0.13	U	1.0	0.13	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
2-Methyl-2-propanol	3.1	U	10	3.1	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
trans-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Trichloroethene	0.12	U	1.0	0.12	ug/Kg		06/11/14 13:13	06/16/14 22:48	1

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

Lab Sample ID: LB3 460-229938/1-A
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 229938

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.16	U	1.0	0.16	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
Vinyl chloride	0.34	U	1.0	0.34	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,2-Dichloroethane	0.18	U	1.0	0.18	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,2-Dichlorobenzene	0.10	U	1.0	0.10	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44	ug/Kg		06/11/14 13:13	06/16/14 22:48	1
1,1,1,2-Tetrachloroethane	0.11	U	1.0	0.11	ug/Kg		06/11/14 13:13	06/16/14 22:48	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*06/11/14 13:13*	*06/16/14 22:48*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*06/11/14 13:13*	*06/16/14 22:48*	*1*
4-Bromofluorobenzene	*92*		*70 - 130*	*06/11/14 13:13*	*06/16/14 22:48*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*06/11/14 13:13*	*06/16/14 22:48*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*06/11/14 13:13*	*06/16/14 22:48*	*1*

Lab Sample ID: MB 460-231011/6
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.13	U	1.0	0.13	ug/Kg			06/16/14 19:28	1
1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090	ug/Kg			06/16/14 19:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	1.0	0.11	ug/Kg			06/16/14 19:28	1
1,1,2-Trichloroethane	0.14	U	1.0	0.14	ug/Kg			06/16/14 19:28	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/Kg			06/16/14 19:28	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/Kg			06/16/14 19:28	1
1,2,3-Trichlorobenzene	0.16	U	1.0	0.16	ug/Kg			06/16/14 19:28	1
1,2,4-Trichlorobenzene	0.19	U	1.0	0.19	ug/Kg			06/16/14 19:28	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/Kg			06/16/14 19:28	1
1,3-Dichlorobenzene	0.16	U	1.0	0.16	ug/Kg			06/16/14 19:28	1
1,4-Dichlorobenzene	0.11	U	1.0	0.11	ug/Kg			06/16/14 19:28	1
1,4-Dioxane	13	U	20	13	ug/Kg			06/16/14 19:28	1
2-Butanone (MEK)	0.63	U	5.0	0.63	ug/Kg			06/16/14 19:28	1
2-Hexanone	0.13	U	5.0	0.13	ug/Kg			06/16/14 19:28	1
4-Methyl-2-pentanone (MIBK)	0.20	U	5.0	0.20	ug/Kg			06/16/14 19:28	1
Acetone	4.62	J	5.0	1.7	ug/Kg			06/16/14 19:28	1
Benzene	0.15	U	1.0	0.15	ug/Kg			06/16/14 19:28	1
Bromoform	0.17	U	1.0	0.17	ug/Kg			06/16/14 19:28	1
Bromomethane	0.43	U	1.0	0.43	ug/Kg			06/16/14 19:28	1
Carbon disulfide	0.15	U	1.0	0.15	ug/Kg			06/16/14 19:28	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/Kg			06/16/14 19:28	1
Chlorobenzene	0.18	U	1.0	0.18	ug/Kg			06/16/14 19:28	1
Chlorobromomethane	0.11	U	1.0	0.11	ug/Kg			06/16/14 19:28	1
Chlorodibromomethane	0.10	U	1.0	0.10	ug/Kg			06/16/14 19:28	1
Chloroethane	0.33	U	1.0	0.33	ug/Kg			06/16/14 19:28	1
Chloroform	0.24	U	1.0	0.24	ug/Kg			06/16/14 19:28	1

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

Lab Sample ID: MB 460-231011/6
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.16	U	1.0	0.16	ug/Kg			06/16/14 19:28	1
cis-1,2-Dichloroethene	0.11	U	1.0	0.11	ug/Kg			06/16/14 19:28	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/Kg			06/16/14 19:28	1
Cyclohexane	0.13	U	1.0	0.13	ug/Kg			06/16/14 19:28	1
Dichlorobromomethane	0.32	U	1.0	0.32	ug/Kg			06/16/14 19:28	1
Dichlorodifluoromethane	0.22	U	1.0	0.22	ug/Kg			06/16/14 19:28	1
Ethylbenzene	0.17	U	1.0	0.17	ug/Kg			06/16/14 19:28	1
Ethylene Dibromide	0.15	U	1.0	0.15	ug/Kg			06/16/14 19:28	1
Isopropylbenzene	0.11	U	1.0	0.11	ug/Kg			06/16/14 19:28	1
Methyl acetate	0.32	U	5.0	0.32	ug/Kg			06/16/14 19:28	1
Methyl tert-butyl ether	0.11	U	1.0	0.11	ug/Kg			06/16/14 19:28	1
Methylcyclohexane	0.10	U	1.0	0.10	ug/Kg			06/16/14 19:28	1
Methylene Chloride	0.15	U	1.0	0.15	ug/Kg			06/16/14 19:28	1
m-Xylene & p-Xylene	0.59	U	1.0	0.59	ug/Kg			06/16/14 19:28	1
o-Xylene	0.19	U	1.0	0.19	ug/Kg			06/16/14 19:28	1
Styrene	0.28	U	1.0	0.28	ug/Kg			06/16/14 19:28	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/Kg			06/16/14 19:28	1
Toluene	0.14	U	1.0	0.14	ug/Kg			06/16/14 19:28	1
trans-1,2-Dichloroethene	0.13	U	1.0	0.13	ug/Kg			06/16/14 19:28	1
2-Methyl-2-propanol	3.1	U	10	3.1	ug/Kg			06/16/14 19:28	1
trans-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/Kg			06/16/14 19:28	1
Trichloroethene	0.12	U	1.0	0.12	ug/Kg			06/16/14 19:28	1
Trichlorofluoromethane	0.16	U	1.0	0.16	ug/Kg			06/16/14 19:28	1
Vinyl chloride	0.34	U	1.0	0.34	ug/Kg			06/16/14 19:28	1
1,2-Dichloroethane	0.18	U	1.0	0.18	ug/Kg			06/16/14 19:28	1
1,2-Dichlorobenzene	0.10	U	1.0	0.10	ug/Kg			06/16/14 19:28	1
1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44	ug/Kg			06/16/14 19:28	1
1,1,1,2-Tetrachloroethane	0.11	U	1.0	0.11	ug/Kg			06/16/14 19:28	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*					*06/16/14 19:28*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*06/16/14 19:28*	*1*
4-Bromofluorobenzene	*87*		*70 - 130*		*06/16/14 19:28*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*06/16/14 19:28*	*1*
Toluene-d8 (Surr)	*87*		*70 - 130*		*06/16/14 19:28*	*1*

Lab Sample ID: LCS 460-231011/3
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.4		ug/Kg		102	82 - 129
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/Kg		93	66 - 121
1,1,2-Trichloro-1,2,2-trifluoroetha ne	20.0	17.9		ug/Kg		90	73 - 134
1,1,2-Trichloroethane	20.0	19.5		ug/Kg		98	74 - 116

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

Lab Sample ID: LCS 460-231011/3
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	21.1		ug/Kg		105	78 - 125
1,1-Dichloroethene	20.0	19.2		ug/Kg		96	74 - 128
1,2,3-Trichlorobenzene	20.0	18.4		ug/Kg		92	81 - 123
1,2,4-Trichlorobenzene	20.0	18.4		ug/Kg		92	81 - 127
1,2-Dichloropropane	20.0	23.2		ug/Kg		116	72 - 123
1,3-Dichlorobenzene	20.0	19.2		ug/Kg		96	78 - 120
1,4-Dichlorobenzene	20.0	19.1		ug/Kg		95	77 - 120
1,4-Dioxane	400	387		ug/Kg		97	69 - 142
2-Butanone (MEK)	100	113		ug/Kg		113	58 - 140
2-Hexanone	100	102		ug/Kg		102	52 - 134
4-Methyl-2-pentanone (MIBK)	100	97.2		ug/Kg		97	55 - 133
Acetone	100	111		ug/Kg		111	58 - 139
Benzene	20.0	21.3		ug/Kg		107	75 - 123
Bromoform	20.0	17.1		ug/Kg		86	70 - 130
Bromomethane	20.0	16.9		ug/Kg		85	62 - 150
Carbon disulfide	20.0	20.1		ug/Kg		100	73 - 127
Carbon tetrachloride	20.0	20.4		ug/Kg		102	77 - 137
Chlorobenzene	20.0	19.6		ug/Kg		98	80 - 120
Chlorobromomethane	20.0	19.7		ug/Kg		99	82 - 127
Chlorodibromomethane	20.0	18.7		ug/Kg		93	74 - 124
Chloroethane	20.0	15.2		ug/Kg		76	60 - 140
Chloroform	20.0	21.5		ug/Kg		108	77 - 122
Chloromethane	20.0	21.5		ug/Kg		107	48 - 144
cis-1,2-Dichloroethene	20.0	21.2		ug/Kg		106	82 - 121
cis-1,3-Dichloropropene	20.0	21.1		ug/Kg		106	75 - 119
Cyclohexane	20.0	23.0		ug/Kg		115	66 - 128
Dichlorobromomethane	20.0	21.3		ug/Kg		106	77 - 122
Dichlorodifluoromethane	20.0	18.9		ug/Kg		95	52 - 145
Ethylbenzene	20.0	19.7		ug/Kg		98	80 - 120
Ethylene Dibromide	20.0	18.6		ug/Kg		93	78 - 117
Isopropylbenzene	20.0	21.2		ug/Kg		106	80 - 120
Methyl acetate	100	102		ug/Kg		102	61 - 137
Methyl tert-butyl ether	20.0	19.7		ug/Kg		98	75 - 124
Methylcyclohexane	20.0	21.8		ug/Kg		109	80 - 125
Methylene Chloride	20.0	21.6		ug/Kg		108	75 - 124
m-Xylene & p-Xylene	20.0	19.8		ug/Kg		99	79 - 120
o-Xylene	20.0	20.1		ug/Kg		101	77 - 120
Styrene	20.0	20.1		ug/Kg		101	78 - 120
Tetrachloroethene	20.0	18.4		ug/Kg		92	80 - 127
Toluene	20.0	20.1		ug/Kg		101	82 - 117
trans-1,2-Dichloroethene	20.0	19.2		ug/Kg		96	83 - 124
2-Methyl-2-propanol	200	194		ug/Kg		97	70 - 124
trans-1,3-Dichloropropene	20.0	19.7		ug/Kg		99	74 - 119
Trichloroethene	20.0	21.1		ug/Kg		106	78 - 122
Trichlorofluoromethane	20.0	17.1		ug/Kg		86	63 - 147
Vinyl chloride	20.0	21.1		ug/Kg		105	62 - 132
1,2-Dichloroethane	20.0	20.4		ug/Kg		102	79 - 120
1,2-Dichlorobenzene	20.0	18.5		ug/Kg		93	77 - 120

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

Lab Sample ID: LCS 460-231011/3
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromo-3-Chloropropane			20.0	15.9		ug/Kg		79	61 - 125		
1,1,1,2-Tetrachloroethane			20.0	18.3		ug/Kg		92	77 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 130*
4-Bromofluorobenzene	*77*		*70 - 130*
Dibromofluoromethane (Surr)	*83*		*70 - 130*
Toluene-d8 (Surr)	*77*		*70 - 130*

Lab Sample ID: LCSD 460-231011/4
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	21.9		ug/Kg		109	82 - 129	7	30
1,1,2,2-Tetrachloroethane			20.0	18.9		ug/Kg		95	66 - 121	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	19.8		ug/Kg		99	73 - 134	10	30
1,1,2-Trichloroethane			20.0	20.1		ug/Kg		100	74 - 116	3	30
1,1-Dichloroethane			20.0	22.0		ug/Kg		110	78 - 125	4	30
1,1-Dichloroethene			20.0	21.1		ug/Kg		106	74 - 128	9	30
1,2,3-Trichlorobenzene			20.0	19.0		ug/Kg		95	81 - 123	3	30
1,2,4-Trichlorobenzene			20.0	18.8		ug/Kg		94	81 - 127	2	30
1,2-Dichloropropane			20.0	23.1		ug/Kg		116	72 - 123	0	30
1,3-Dichlorobenzene			20.0	19.9		ug/Kg		99	78 - 120	3	30
1,4-Dichlorobenzene			20.0	19.4		ug/Kg		97	77 - 120	2	30
1,4-Dioxane			400	417		ug/Kg		104	69 - 142	7	30
2-Butanone (MEK)			100	116		ug/Kg		116	58 - 140	3	30
2-Hexanone			100	98.8		ug/Kg		99	52 - 134	3	30
4-Methyl-2-pentanone (MIBK)			100	98.7		ug/Kg		99	55 - 133	1	30
Acetone			100	112		ug/Kg		112	58 - 139	1	30
Benzene			20.0	22.3		ug/Kg		111	75 - 123	4	30
Bromoform			20.0	18.0		ug/Kg		90	70 - 130	5	30
Bromomethane			20.0	16.0		ug/Kg		80	62 - 150	5	30
Carbon disulfide			20.0	23.4		ug/Kg		117	73 - 127	15	30
Carbon tetrachloride			20.0	21.5		ug/Kg		107	77 - 137	5	30
Chlorobenzene			20.0	20.4		ug/Kg		102	80 - 120	4	30
Chlorobromomethane			20.0	21.2		ug/Kg		106	82 - 127	7	30
Chlorodibromomethane			20.0	19.4		ug/Kg		97	74 - 124	4	30
Chloroethane			20.0	14.8		ug/Kg		74	60 - 140	2	30
Chloroform			20.0	22.6		ug/Kg		113	77 - 122	5	30
Chloromethane			20.0	21.1		ug/Kg		106	48 - 144	2	30
cis-1,2-Dichloroethene			20.0	22.9		ug/Kg		115	82 - 121	8	30
cis-1,3-Dichloropropene			20.0	22.0		ug/Kg		110	75 - 119	4	30
Cyclohexane			20.0	25.4		ug/Kg		127	66 - 128	10	30
Dichlorobromomethane			20.0	22.5		ug/Kg		112	77 - 122	5	30
Dichlorodifluoromethane			20.0	19.4		ug/Kg		97	52 - 145	2	30
Ethylbenzene			20.0	20.3		ug/Kg		101	80 - 120	3	30

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

Lab Sample ID: LCSD 460-231011/4
Matrix: Solid
Analysis Batch: 231011

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide			20.0	19.2		ug/Kg		96	78 - 117	3	30
Isopropylbenzene			20.0	22.2		ug/Kg		111	80 - 120	4	30
Methyl acetate			100	106		ug/Kg		106	61 - 137	4	30
Methyl tert-butyl ether			20.0	20.4		ug/Kg		102	75 - 124	4	30
Methylcyclohexane			20.0	23.4		ug/Kg		117	80 - 125	7	30
Methylene Chloride			20.0	23.0		ug/Kg		115	75 - 124	6	30
m-Xylene & p-Xylene			20.0	20.8		ug/Kg		104	79 - 120	5	30
o-Xylene			20.0	21.3		ug/Kg		106	77 - 120	6	30
Styrene			20.0	21.1		ug/Kg		106	78 - 120	5	30
Tetrachloroethene			20.0	19.0		ug/Kg		95	80 - 127	4	30
Toluene			20.0	20.6		ug/Kg		103	82 - 117	3	30
trans-1,2-Dichloroethene			20.0	20.7		ug/Kg		103	83 - 124	8	30
2-Methyl-2-propanol			200	200		ug/Kg		100	70 - 124	3	30
trans-1,3-Dichloropropene			20.0	20.7		ug/Kg		103	74 - 119	5	30
Trichloroethene			20.0	22.0		ug/Kg		110	78 - 122	4	30
Trichlorofluoromethane			20.0	16.5		ug/Kg		83	63 - 147	4	30
Vinyl chloride			20.0	20.4		ug/Kg		102	62 - 132	3	30
1,2-Dichloroethane			20.0	21.5		ug/Kg		108	79 - 120	5	30
1,2-Dichlorobenzene			20.0	19.5		ug/Kg		98	77 - 120	5	30
1,2-Dibromo-3-Chloropropane			20.0	17.0		ug/Kg		85	61 - 125	7	30
1,1,1,2-Tetrachloroethane			20.0	19.5		ug/Kg		97	77 - 124	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-108577/1-A
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108577

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	50	U	330	50	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Phenol	7.9	U	67	7.9	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Bis(2-chloroethyl)ether	9.0	U	67	9.0	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2-Chlorophenol	27	U	330	27	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2-Methylphenol	23	U	330	23	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2,2'-oxybis[1-chloropropane]	7.2	U	67	7.2	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Acetophenone	27	U	330	27	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Methylphenol, 3 & 4	33	U	330	33	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
N-Nitrosodi-n-propylamine	7.8	U	67	7.8	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Hexachloroethane	24	U	330	24	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Nitrobenzene	28	U	670	28	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Isophorone	25	U	330	25	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2-Nitrophenol	37	U	330	37	ug/Kg		06/16/14 03:20	06/16/14 12:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-108577/1-A
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108577

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	52	U	330	52	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Bis(2-chloroethoxy)methane	22	U	330	22	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2,4-Dichlorophenol	6.7	U	67	6.7	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Naphthalene	5.7	U	67	5.7	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
4-Chloroaniline	27	U	330	27	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Hexachlorobutadiene	7.5	U	67	7.5	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Caprolactam	250	U	1700	250	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
4-Chloro-3-methylphenol	31	U	330	31	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2-Methylnaphthalene	6.0	U	67	6.0	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Hexachlorocyclopentadiene	36	U	330	36	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2,4,5-Trichlorophenol	36	U	330	36	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2,4,6-Trichlorophenol	50	U	330	50	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
1,1'-Biphenyl	30	U	330	30	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2-Chloronaphthalene	7.0	U	67	7.0	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2-Nitroaniline	150	U	1700	150	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Dimethyl phthalate	36	U	330	36	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2,6-Dinitrotoluene	34	U	330	34	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Acenaphthylene	7.6	U	67	7.6	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
3-Nitroaniline	140	U	1700	140	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Acenaphthene	6.4	U	67	6.4	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2,4-Dinitrophenol	400	U	1700	400	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
4-Nitrophenol	120	U	1700	120	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Dibenzofuran	33	U	330	33	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2,4-Dinitrotoluene	27	U	330	27	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Diethyl phthalate	36	U	330	36	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Fluorene	8.8	U	67	8.8	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
4-Chlorophenyl phenyl ether	37	U	330	37	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
4-Nitroaniline	140	U	1700	140	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
4,6-Dinitro-2-methylphenol	130	U	1700	130	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
N-Nitrosodiphenylamine	31	U	330	31	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
1,2,4,5-Tetrachlorobenzene	25	U	330	25	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
4-Bromophenyl phenyl ether	29	U	330	29	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Hexachlorobenzene	7.1	U	67	7.1	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Atrazine	32	U	330	32	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Pentachlorophenol	30	U	330	30	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Phenanthrene	11	U	67	11	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Anthracene	6.5	U	67	6.5	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Carbazole	6.1	U	67	6.1	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Di-n-butyl phthalate	42	U	330	42	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Fluoranthene	7.1	U	67	7.1	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Pyrene	6.7	U	67	6.7	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Butyl benzyl phthalate	46	U	330	46	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
3,3'-Dichlorobenzidine	35	U	330	35	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Benzo[a]anthracene	8.4	U	67	8.4	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Chrysene	7.9	U	67	7.9	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Bis(2-ethylhexyl) phthalate	54	U	670	54	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Di-n-octyl phthalate	35	U	330	35	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Benzo[b]fluoranthene	10	U	67	10	ug/Kg		06/16/14 03:20	06/16/14 12:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-108577/1-A
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108577

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	13	U	67	13	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Benzo[a]pyrene	6.7	U	67	6.7	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Benzo[g,h,i]perylene	6.6	U	67	6.6	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Indeno[1,2,3-cd]pyrene	6.9	U	67	6.9	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
Dibenz(a,h)anthracene	7.4	U	67	7.4	ug/Kg		06/16/14 03:20	06/16/14 12:13	1
2,3,4,6-Tetrachlorophenol	21	U	330	21	ug/Kg		06/16/14 03:20	06/16/14 12:13	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*06/16/14 03:20*	*06/16/14 12:13*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*06/16/14 03:20*	*06/16/14 12:13*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*	*06/16/14 03:20*	*06/16/14 12:13*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*06/16/14 03:20*	*06/16/14 12:13*	*1*
2-Fluorobiphenyl	*70*		*35 - 105*	*06/16/14 03:20*	*06/16/14 12:13*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*06/16/14 03:20*	*06/16/14 12:13*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*06/16/14 03:20*	*06/16/14 12:13*	*1*

Lab Sample ID: LCS 180-108577/2-A
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108577

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	6670	1200	*	ug/Kg		18	30 - 150
Phenol	6670	3950		ug/Kg		59	41 - 102
Bis(2-chloroethyl)ether	6670	3880		ug/Kg		58	38 - 99
2-Chlorophenol	6670	4000		ug/Kg		60	40 - 101
2-Methylphenol	6670	4130		ug/Kg		62	40 - 104
2,2'-oxybis[1-chloropropane]	6670	3620		ug/Kg		54	36 - 101
Acetophenone	6670	3490		ug/Kg		52	30 - 150
Methylphenol, 3 & 4	6670	3990		ug/Kg		60	42 - 105
N-Nitrosodi-n-propylamine	6670	3720		ug/Kg		56	42 - 107
Hexachloroethane	6670	3760		ug/Kg		56	37 - 97
Nitrobenzene	6670	4220		ug/Kg		63	43 - 104
Isophorone	6670	4330		ug/Kg		65	47 - 110
2-Nitrophenol	6670	4380		ug/Kg		66	46 - 106
2,4-Dimethylphenol	6670	4310		ug/Kg		65	44 - 105
Bis(2-chloroethoxy)methane	6670	4260		ug/Kg		64	44 - 101
2,4-Dichlorophenol	6670	4310		ug/Kg		65	47 - 105
Naphthalene	6670	4180		ug/Kg		63	43 - 100
4-Chloroaniline	6670	4180		ug/Kg		63	25 - 108
Hexachlorobutadiene	6670	4160		ug/Kg		62	43 - 107
Caprolactam	6670	4110		ug/Kg		62	30 - 150
4-Chloro-3-methylphenol	6670	4060		ug/Kg		61	47 - 109
2-Methylnaphthalene	6670	4100		ug/Kg		61	45 - 100
Hexachlorocyclopentadiene	6670	4930		ug/Kg		74	23 - 129
2,4,5-Trichlorophenol	6670	4840		ug/Kg		73	48 - 108

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-108577/2-A
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108577

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	6670	4790		ug/Kg		72	50 - 106
1,1'-Biphenyl	6670	4410		ug/Kg		66	30 - 150
2-Chloronaphthalene	6670	4210		ug/Kg		63	46 - 101
2-Nitroaniline	6670	4690		ug/Kg		70	45 - 117
Dimethyl phthalate	6670	4440		ug/Kg		67	49 - 111
2,6-Dinitrotoluene	6670	4520		ug/Kg		68	50 - 122
Acenaphthylene	6670	4380		ug/Kg		66	49 - 114
3-Nitroaniline	6670	4420		ug/Kg		66	34 - 122
Acenaphthene	6670	4520		ug/Kg		68	47 - 104
2,4-Dinitrophenol	13300	8910		ug/Kg		67	10 - 146
4-Nitrophenol	13300	9810		ug/Kg		74	36 - 127
Dibenzofuran	6670	4340		ug/Kg		65	46 - 104
2,4-Dinitrotoluene	6670	4570		ug/Kg		69	45 - 124
Diethyl phthalate	6670	4460		ug/Kg		67	47 - 115
Fluorene	6670	4520		ug/Kg		68	46 - 109
4-Chlorophenyl phenyl ether	6670	4590		ug/Kg		69	47 - 109
4-Nitroaniline	6670	4490		ug/Kg		67	38 - 123
4,6-Dinitro-2-methylphenol	13300	8990		ug/Kg		67	24 - 134
N-Nitrosodiphenylamine	6670	4460		ug/Kg		67	44 - 111
1,2,4,5-Tetrachlorobenzene	6670	4560		ug/Kg		68	30 - 125
4-Bromophenyl phenyl ether	6670	4430		ug/Kg		67	47 - 110
Hexachlorobenzene	6670	4480		ug/Kg		67	47 - 108
Atrazine	6670	10600	*	ug/Kg		159	30 - 150
Pentachlorophenol	13300	10200		ug/Kg		76	17 - 122
Phenanthrene	6670	4330		ug/Kg		65	43 - 108
Anthracene	6670	4530		ug/Kg		68	45 - 112
Carbazole	6670	4480		ug/Kg		67	45 - 114
Di-n-butyl phthalate	6670	4440		ug/Kg		67	43 - 121
Fluoranthene	6670	4470		ug/Kg		67	40 - 120
Pyrene	6670	4100		ug/Kg		61	41 - 115
Butyl benzyl phthalate	6670	4190		ug/Kg		63	41 - 118
3,3'-Dichlorobenzidine	6670	4000		ug/Kg		60	19 - 122
Benzo[a]anthracene	6670	4380		ug/Kg		66	47 - 110
Chrysene	6670	4450		ug/Kg		67	46 - 111
Bis(2-ethylhexyl) phthalate	6670	4080		ug/Kg		61	40 - 122
Di-n-octyl phthalate	6670	3910		ug/Kg		59	33 - 129
Benzo[b]fluoranthene	6670	3940		ug/Kg		59	41 - 107
Benzo[k]fluoranthene	6670	4230		ug/Kg		63	44 - 115
Benzo[a]pyrene	6670	4460		ug/Kg		67	47 - 112
Benzo[g,h,i]perylene	6670	4940		ug/Kg		74	38 - 126
Indeno[1,2,3-cd]pyrene	6670	4870		ug/Kg		73	41 - 125
Dibenz(a,h)anthracene	6670	4960		ug/Kg		74	39 - 127
2,3,4,6-Tetrachlorophenol	6670	4510		ug/Kg		68	38 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*
2-Fluorophenol (Surr)	*61*		*39 - 103*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-108577/2-A
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108577

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*35 - 105*
Phenol-d5 (Surr)	*60*		*25 - 105*
Terphenyl-d14 (Surr)	*59*		*25 - 127*

Lab Sample ID: 460-77515-1 MS
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: TCHS-S1 0-0.5
Prep Type: Total/NA
Prep Batch: 108577

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	55	U *	7360	3770		ug/Kg	☼	51	30 - 150
Phenol	8.6	U	7360	4340		ug/Kg	☼	59	41 - 102
Bis(2-chloroethyl)ether	9.8	U	7360	4170		ug/Kg	☼	57	38 - 99
2-Chlorophenol	30	U	7360	4410		ug/Kg	☼	60	40 - 101
2-Methylphenol	26	U	7360	4700		ug/Kg	☼	64	40 - 104
2,2'-oxybis[1-chloropropane]	7.9	U	7360	4110		ug/Kg	☼	56	36 - 101
Acetophenone	30	U	7360	4120		ug/Kg	☼	56	30 - 150
Methylphenol, 3 & 4	36	U	7360	4490		ug/Kg	☼	61	42 - 105
N-Nitrosodi-n-propylamine	8.6	U	7360	4380		ug/Kg	☼	59	42 - 107
Hexachloroethane	26	U	7360	4180		ug/Kg	☼	57	37 - 97
Nitrobenzene	30	U	7360	4620		ug/Kg	☼	63	43 - 104
Isophorone	28	U	7360	4940		ug/Kg	☼	67	47 - 110
2-Nitrophenol	40	U	7360	4960		ug/Kg	☼	67	46 - 106
2,4-Dimethylphenol	57	U	7360	4660		ug/Kg	☼	63	44 - 105
Bis(2-chloroethoxy)methane	24	U	7360	4810		ug/Kg	☼	65	44 - 101
2,4-Dichlorophenol	7.3	U	7360	4710		ug/Kg	☼	64	47 - 105
Naphthalene	6.3	U	7360	4710		ug/Kg	☼	64	43 - 100
4-Chloroaniline	29	U	7360	4210		ug/Kg	☼	57	25 - 108
Hexachlorobutadiene	8.2	U	7360	4380		ug/Kg	☼	60	43 - 107
Caprolactam	280	U	7360	4160		ug/Kg	☼	57	30 - 150
4-Chloro-3-methylphenol	34	U	7360	4610		ug/Kg	☼	63	47 - 109
2-Methylnaphthalene	6.6	U	7360	4640		ug/Kg	☼	63	45 - 100
Hexachlorocyclopentadiene	39	U	7360	5300		ug/Kg	☼	72	23 - 129
2,4,5-Trichlorophenol	39	U	7360	5170		ug/Kg	☼	70	48 - 108
2,4,6-Trichlorophenol	55	U	7360	5120		ug/Kg	☼	70	50 - 106
1,1'-Biphenyl	33	U	7360	4870		ug/Kg	☼	66	30 - 150
2-Chloronaphthalene	7.6	U	7360	4660		ug/Kg	☼	63	46 - 101
2-Nitroaniline	160	U	7360	5190		ug/Kg	☼	71	45 - 117
Dimethyl phthalate	40	U	7360	4950		ug/Kg	☼	67	49 - 111
2,6-Dinitrotoluene	38	U	7360	5090		ug/Kg	☼	69	50 - 122
Acenaphthylene	8.4	U	7360	4950		ug/Kg	☼	67	49 - 114
3-Nitroaniline	150	U	7360	4780		ug/Kg	☼	65	34 - 122
Acenaphthene	7.0	U	7360	5010		ug/Kg	☼	68	47 - 104
2,4-Dinitrophenol	440	U	14700	9180		ug/Kg	☼	62	10 - 146
4-Nitrophenol	130	U	14700	10300		ug/Kg	☼	70	36 - 127
Dibenzofuran	36	U	7360	4930		ug/Kg	☼	67	46 - 104
2,4-Dinitrotoluene	30	U	7360	5190		ug/Kg	☼	71	45 - 124
Diethyl phthalate	40	U	7360	5090		ug/Kg	☼	69	47 - 115
Fluorene	9.6	U	7360	5110		ug/Kg	☼	69	46 - 109

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-77515-1 MS
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: TCHS-S1 0-0.5
Prep Type: Total/NA
Prep Batch: 108577

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether	41	U	7360	5100		ug/Kg	☼	69	47 - 109
4-Nitroaniline	150	U	7360	4690		ug/Kg	☼	64	38 - 123
4,6-Dinitro-2-methylphenol	150	U	14700	10400		ug/Kg	☼	71	24 - 134
N-Nitrosodiphenylamine	34	U	7360	4930		ug/Kg	☼	67	44 - 111
1,2,4,5-Tetrachlorobenzene	28	U	7360	5040		ug/Kg	☼	68	30 - 125
4-Bromophenyl phenyl ether	32	U	7360	5160		ug/Kg	☼	70	47 - 110
Hexachlorobenzene	7.8	U	7360	5120		ug/Kg	☼	70	47 - 108
Atrazine	36	U *	7360	11800	F1	ug/Kg	☼	160	30 - 150
Pentachlorophenol	33	U	14700	11200		ug/Kg	☼	76	17 - 122
Phenanthrene	100		7360	4990		ug/Kg	☼	66	43 - 108
Anthracene	15	J	7360	5170		ug/Kg	☼	70	45 - 112
Carbazole	9.7	J	7360	5160		ug/Kg	☼	70	45 - 114
Di-n-butyl phthalate	46	U	7360	5130		ug/Kg	☼	70	43 - 121
Fluoranthene	170		7360	5220		ug/Kg	☼	69	40 - 120
Pyrene	140		7360	4930		ug/Kg	☼	65	41 - 115
Butyl benzyl phthalate	50	U	7360	4900		ug/Kg	☼	67	41 - 118
3,3'-Dichlorobenzidine	39	U	7360	3650		ug/Kg	☼	50	19 - 122
Benzo[a]anthracene	64	J	7360	5200		ug/Kg	☼	70	47 - 110
Chrysene	92		7360	5250		ug/Kg	☼	70	46 - 111
Bis(2-ethylhexyl) phthalate	180	J	7360	5140		ug/Kg	☼	67	40 - 122
Di-n-octyl phthalate	39	U	7360	4630		ug/Kg	☼	63	33 - 129
Benzo[b]fluoranthene	83		7360	4700		ug/Kg	☼	63	41 - 107
Benzo[k]fluoranthene	46	J	7360	5000		ug/Kg	☼	67	44 - 115
Benzo[a]pyrene	60	J	7360	5220		ug/Kg	☼	70	47 - 112
Benzo[g,h,i]perylene	56	J	7360	5790		ug/Kg	☼	78	38 - 126
Indeno[1,2,3-cd]pyrene	46	J	7360	5730		ug/Kg	☼	77	41 - 125
Dibenz(a,h)anthracene	8.1	U	7360	5890		ug/Kg	☼	80	39 - 127
2,3,4,6-Tetrachlorophenol	24	U	7360	5180		ug/Kg	☼	70	38 - 113

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 124*
2-Fluorophenol (Surr)	*58*		*39 - 103*
2-Fluorobiphenyl	*66*		*35 - 105*
Phenol-d5 (Surr)	*61*		*25 - 105*
Terphenyl-d14 (Surr)	*61*		*25 - 127*

Lab Sample ID: 460-77515-1 MSD
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: TCHS-S1 0-0.5
Prep Type: Total/NA
Prep Batch: 108577

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzaldehyde	55	U *	7310	3920		ug/Kg	☼	54	30 - 150	4	40
Phenol	8.6	U	7310	4440		ug/Kg	☼	61	41 - 102	2	39
Bis(2-chloroethyl)ether	9.8	U	7310	4330		ug/Kg	☼	59	38 - 99	4	43
2-Chlorophenol	30	U	7310	4610		ug/Kg	☼	63	40 - 101	4	42
2-Methylphenol	26	U	7310	4730		ug/Kg	☼	65	40 - 104	1	41
2,2'-oxybis[1-chloropropane]	7.9	U	7310	4390		ug/Kg	☼	60	36 - 101	7	41

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-77515-1 MSD
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: TCHS-S1 0-0.5
Prep Type: Total/NA
Prep Batch: 108577

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone	30	U	7310	4150		ug/Kg	☼	57	30 - 150	1	40
Methylphenol, 3 & 4	36	U	7310	4610		ug/Kg	☼	63	42 - 105	3	43
N-Nitrosodi-n-propylamine	8.6	U	7310	4470		ug/Kg	☼	61	42 - 107	2	43
Hexachloroethane	26	U	7310	4360		ug/Kg	☼	60	37 - 97	4	48
Nitrobenzene	30	U	7310	4560		ug/Kg	☼	62	43 - 104	1	33
Isophorone	28	U	7310	4840		ug/Kg	☼	66	47 - 110	2	37
2-Nitrophenol	40	U	7310	4820		ug/Kg	☼	66	46 - 106	3	39
2,4-Dimethylphenol	57	U	7310	4590		ug/Kg	☼	63	44 - 105	1	49
Bis(2-chloroethoxy)methane	24	U	7310	4590		ug/Kg	☼	63	44 - 101	5	36
2,4-Dichlorophenol	7.3	U	7310	4740		ug/Kg	☼	65	47 - 105	1	35
Naphthalene	6.3	U	7310	4670		ug/Kg	☼	64	43 - 100	1	32
4-Chloroaniline	29	U	7310	4140		ug/Kg	☼	57	25 - 108	2	36
Hexachlorobutadiene	8.2	U	7310	4410		ug/Kg	☼	60	43 - 107	1	39
Caprolactam	280	U	7310	4030		ug/Kg	☼	55	30 - 150	3	40
4-Chloro-3-methylphenol	34	U	7310	4800		ug/Kg	☼	66	47 - 109	4	36
2-Methylnaphthalene	6.6	U	7310	4540		ug/Kg	☼	62	45 - 100	2	40
Hexachlorocyclopentadiene	39	U	7310	5170		ug/Kg	☼	71	23 - 129	3	49
2,4,5-Trichlorophenol	39	U	7310	5020		ug/Kg	☼	69	48 - 108	3	44
2,4,6-Trichlorophenol	55	U	7310	5160		ug/Kg	☼	71	50 - 106	1	42
1,1'-Biphenyl	33	U	7310	4760		ug/Kg	☼	65	30 - 150	2	40
2-Chloronaphthalene	7.6	U	7310	4570		ug/Kg	☼	63	46 - 101	2	40
2-Nitroaniline	160	U	7310	5100		ug/Kg	☼	70	45 - 117	2	42
Dimethyl phthalate	40	U	7310	4980		ug/Kg	☼	68	49 - 111	1	37
2,6-Dinitrotoluene	38	U	7310	5050		ug/Kg	☼	69	50 - 122	1	40
Acenaphthylene	8.4	U	7310	4980		ug/Kg	☼	68	49 - 114	1	38
3-Nitroaniline	150	U	7310	4550		ug/Kg	☼	62	34 - 122	5	39
Acenaphthene	7.0	U	7310	4880		ug/Kg	☼	67	47 - 104	2	40
2,4-Dinitrophenol	440	U	14600	9100		ug/Kg	☼	62	10 - 146	1	83
4-Nitrophenol	130	U	14600	9920		ug/Kg	☼	68	36 - 127	4	43
Dibenzofuran	36	U	7310	4770		ug/Kg	☼	65	46 - 104	3	38
2,4-Dinitrotoluene	30	U	7310	5180		ug/Kg	☼	71	45 - 124	0	41
Diethyl phthalate	40	U	7310	4940		ug/Kg	☼	68	47 - 115	3	38
Fluorene	9.6	U	7310	4910		ug/Kg	☼	67	46 - 109	4	40
4-Chlorophenyl phenyl ether	41	U	7310	4980		ug/Kg	☼	68	47 - 109	2	39
4-Nitroaniline	150	U	7310	4430		ug/Kg	☼	61	38 - 123	6	40
4,6-Dinitro-2-methylphenol	150	U	14600	9880		ug/Kg	☼	68	24 - 134	5	87
N-Nitrosodiphenylamine	34	U	7310	4790		ug/Kg	☼	66	44 - 111	3	40
1,2,4,5-Tetrachlorobenzene	28	U	7310	4860		ug/Kg	☼	66	30 - 125	4	25
4-Bromophenyl phenyl ether	32	U	7310	5110		ug/Kg	☼	70	47 - 110	1	46
Hexachlorobenzene	7.8	U	7310	5100		ug/Kg	☼	70	47 - 108	0	43
Atrazine	36	U *	7310	11500	F1	ug/Kg	☼	157	30 - 150	3	40
Pentachlorophenol	33	U	14600	10600		ug/Kg	☼	72	17 - 122	6	52
Phenanthrene	100		7310	4880		ug/Kg	☼	65	43 - 108	2	39
Anthracene	15	J	7310	5050		ug/Kg	☼	69	45 - 112	2	42
Carbazole	9.7	J	7310	4950		ug/Kg	☼	68	45 - 114	4	36
Di-n-butyl phthalate	46	U	7310	4910		ug/Kg	☼	67	43 - 121	4	38
Fluoranthene	170		7310	4910		ug/Kg	☼	65	40 - 120	6	36
Pyrene	140		7310	4890		ug/Kg	☼	65	41 - 115	1	43

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-77515-1 MSD
Matrix: Solid
Analysis Batch: 108659

Client Sample ID: TCHS-S1 0-0.5
Prep Type: Total/NA
Prep Batch: 108577

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	50	U	7310	4770		ug/Kg	☼	65	41 - 118	3	41
3,3'-Dichlorobenzidine	39	U	7310	3630		ug/Kg	☼	50	19 - 122	1	40
Benzo[a]anthracene	64	J	7310	5010		ug/Kg	☼	68	47 - 110	4	40
Chrysene	92		7310	5180		ug/Kg	☼	70	46 - 111	1	39
Bis(2-ethylhexyl) phthalate	180	J	7310	5010		ug/Kg	☼	66	40 - 122	2	41
Di-n-octyl phthalate	39	U	7310	4390		ug/Kg	☼	60	33 - 129	5	41
Benzo[b]fluoranthene	83		7310	4390		ug/Kg	☼	59	41 - 107	7	53
Benzo[k]fluoranthene	46	J	7310	4680		ug/Kg	☼	63	44 - 115	6	44
Benzo[a]pyrene	60	J	7310	4980		ug/Kg	☼	67	47 - 112	5	42
Benzo[g,h,i]perylene	56	J	7310	5820		ug/Kg	☼	79	38 - 126	1	43
Indeno[1,2,3-cd]pyrene	46	J	7310	5640		ug/Kg	☼	77	41 - 125	2	47
Dibenz(a,h)anthracene	8.1	U	7310	5890		ug/Kg	☼	81	39 - 127	0	45
2,3,4,6-Tetrachlorophenol	24	U	7310	5020		ug/Kg	☼	69	38 - 113	3	83

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*
2-Fluorophenol (Surr)	*60*		*39 - 103*
2-Fluorobiphenyl	*65*		*35 - 105*
Phenol-d5 (Surr)	*64*		*25 - 105*
Terphenyl-d14 (Surr)	*63*		*25 - 127*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-230834/1-A
Matrix: Solid
Analysis Batch: 230982

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.3	U	6.7	1.3	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
4,4'-DDE	1.3	U	6.7	1.3	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
4,4'-DDT	1.6	U	6.7	1.6	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Aldrin	1.4	U	6.7	1.4	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
alpha-BHC	1.5	U	6.7	1.5	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
beta-BHC	1.6	U	6.7	1.6	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Chlordane (technical)	19	U	67	19	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
delta-BHC	1.2	U	6.7	1.2	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Dieldrin	1.2	U	6.7	1.2	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Endosulfan I	1.5	U	6.7	1.5	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Endosulfan II	1.3	U	6.7	1.3	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Endosulfan sulfate	1.3	U	6.7	1.3	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Endrin	1.6	U	6.7	1.6	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Endrin aldehyde	1.0	U	6.7	1.0	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Endrin ketone	1.3	U	6.7	1.3	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
gamma-BHC (Lindane)	1.2	U	6.7	1.2	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Heptachlor	1.6	U	6.7	1.6	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Heptachlor epoxide	1.5	U	6.7	1.5	ug/Kg		06/16/14 05:53	06/16/14 13:19	1
Methoxychlor	1.6	U	6.7	1.6	ug/Kg		06/16/14 05:53	06/16/14 13:19	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-230834/1-A
Matrix: Solid
Analysis Batch: 230982

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	18	U	67	18	ug/Kg		06/16/14 05:53	06/16/14 13:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*76 - 149*	*06/16/14 05:53*	*06/16/14 13:19*	*1*
DCB Decachlorobiphenyl	*103*		*76 - 149*	*06/16/14 05:53*	*06/16/14 13:19*	*1*
Tetrachloro-m-xylene	*87*		*72 - 136*	*06/16/14 05:53*	*06/16/14 13:19*	*1*
Tetrachloro-m-xylene	*88*		*72 - 136*	*06/16/14 05:53*	*06/16/14 13:19*	*1*

Lab Sample ID: LCS 460-230834/2-A
Matrix: Solid
Analysis Batch: 230982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	133	141		ug/Kg		106	50 - 131
4,4'-DDD	133	131		ug/Kg		99	50 - 131
4,4'-DDE	133	140		ug/Kg		105	49 - 130
4,4'-DDE	133	127		ug/Kg		96	49 - 130
4,4'-DDT	133	152		ug/Kg		114	48 - 132
4,4'-DDT	133	133		ug/Kg		100	48 - 132
Aldrin	133	130		ug/Kg		98	53 - 126
Aldrin	133	118		ug/Kg		88	53 - 126
alpha-BHC	133	136		ug/Kg		102	50 - 129
alpha-BHC	133	124		ug/Kg		93	50 - 129
beta-BHC	133	128		ug/Kg		96	51 - 131
beta-BHC	133	109		ug/Kg		82	51 - 131
delta-BHC	133	140		ug/Kg		105	40 - 130
delta-BHC	133	125		ug/Kg		93	40 - 130
Dieldrin	133	134		ug/Kg		100	48 - 126
Dieldrin	133	123		ug/Kg		92	48 - 126
Endosulfan I	133	133		ug/Kg		100	53 - 127
Endosulfan I	133	115		ug/Kg		86	53 - 127
Endosulfan II	133	128		ug/Kg		96	52 - 127
Endosulfan II	133	117		ug/Kg		88	52 - 127
Endosulfan sulfate	133	132		ug/Kg		99	52 - 124
Endosulfan sulfate	133	133		ug/Kg		100	52 - 124
Endrin	133	134		ug/Kg		101	48 - 126
Endrin	133	124		ug/Kg		93	48 - 126
Endrin aldehyde	133	135		ug/Kg		101	57 - 124
Endrin aldehyde	133	124		ug/Kg		93	57 - 124
Endrin ketone	133	136		ug/Kg		102	55 - 124
Endrin ketone	133	122		ug/Kg		92	55 - 124
gamma-BHC (Lindane)	133	139		ug/Kg		104	52 - 129
gamma-BHC (Lindane)	133	129		ug/Kg		97	52 - 129
Heptachlor	133	142		ug/Kg		106	52 - 128
Heptachlor	133	122		ug/Kg		91	52 - 128
Heptachlor epoxide	133	131		ug/Kg		98	53 - 122
Heptachlor epoxide	133	114		ug/Kg		86	53 - 122
Methoxychlor	133	151		ug/Kg		113	47 - 126

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-230834/2-A
Matrix: Solid
Analysis Batch: 230982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230834

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methoxychlor			133	121		ug/Kg		90	47 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*76 - 149*
DCB Decachlorobiphenyl	*97*		*76 - 149*
Tetrachloro-m-xylene	*91*		*72 - 136*
Tetrachloro-m-xylene	*87*		*72 - 136*

Lab Sample ID: 460-77502-D-1-H MS
Matrix: Solid
Analysis Batch: 230982

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 230834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD	1.8	U	180	174		ug/Kg	☼	97	69 - 150		
4,4'-DDD	1.8	U	180	170		ug/Kg	☼	94	69 - 150		
4,4'-DDE	1.8	U	180	170		ug/Kg	☼	94	70 - 147		
4,4'-DDE	1.8	U	180	159		ug/Kg	☼	88	70 - 147		
4,4'-DDT	2.2	U	180	180		ug/Kg	☼	100	63 - 146		
4,4'-DDT	2.2	U	180	161		ug/Kg	☼	89	63 - 146		
Aldrin	1.9	U	180	156		ug/Kg	☼	86	69 - 138		
Aldrin	1.9	U	180	143		ug/Kg	☼	79	69 - 138		
alpha-BHC	2.0	U	180	162		ug/Kg	☼	90	68 - 133		
alpha-BHC	2.0	U	180	150		ug/Kg	☼	83	68 - 133		
beta-BHC	2.2	U	180	154		ug/Kg	☼	85	67 - 137		
beta-BHC	2.2	U	180	132		ug/Kg	☼	73	67 - 137		
delta-BHC	1.6	U	180	169		ug/Kg	☼	94	65 - 141		
delta-BHC	1.6	U	180	152		ug/Kg	☼	84	65 - 141		
Dieldrin	1.6	U	180	160		ug/Kg	☼	89	63 - 129		
Dieldrin	1.6	U	180	154		ug/Kg	☼	85	63 - 129		
Endosulfan I	2.0	U	180	160		ug/Kg	☼	89	69 - 140		
Endosulfan I	2.0	U	180	142		ug/Kg	☼	79	69 - 140		
Endosulfan II	1.8	U	180	154		ug/Kg	☼	85	66 - 136		
Endosulfan II	1.8	U	180	146		ug/Kg	☼	81	66 - 136		
Endosulfan sulfate	1.8	U	180	160		ug/Kg	☼	89	65 - 137		
Endosulfan sulfate	1.8	U	180	152		ug/Kg	☼	84	65 - 137		
Endrin	2.2	U	180	162		ug/Kg	☼	90	67 - 142		
Endrin	2.2	U	180	157		ug/Kg	☼	87	67 - 142		
Endrin aldehyde	1.4	U	180	163		ug/Kg	☼	91	67 - 134		
Endrin aldehyde	1.4	U	180	150		ug/Kg	☼	83	67 - 134		
Endrin ketone	1.8	U	180	164		ug/Kg	☼	91	68 - 146		
Endrin ketone	1.8	U	180	145		ug/Kg	☼	81	68 - 146		
gamma-BHC (Lindane)	1.6	U	180	166		ug/Kg	☼	92	68 - 134		
gamma-BHC (Lindane)	1.6	U	180	157		ug/Kg	☼	87	68 - 134		
Heptachlor	2.2	U	180	169		ug/Kg	☼	94	67 - 136		
Heptachlor	2.2	U	180	147		ug/Kg	☼	82	67 - 136		
Heptachlor epoxide	2.0	U	180	158		ug/Kg	☼	87	68 - 136		
Heptachlor epoxide	2.0	U	180	140		ug/Kg	☼	78	68 - 136		
Methoxychlor	2.2	U	180	180		ug/Kg	☼	100	52 - 150		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-77502-D-1-H MS
Matrix: Solid
Analysis Batch: 230982

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 230834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methoxychlor	2.2	U	180	143		ug/Kg	☼	79	52 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*110*		*76 - 149*
DCB Decachlorobiphenyl	*106*		*76 - 149*
Tetrachloro-m-xylene	*100*		*72 - 136*
Tetrachloro-m-xylene	*98*		*72 - 136*

Lab Sample ID: 460-77502-D-1-I MSD
Matrix: Solid
Analysis Batch: 230982

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 230834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	1.8	U	180	213		ug/Kg	☼	118	69 - 150	20	30
4,4'-DDD	1.8	U	180	203		ug/Kg	☼	113	69 - 150	18	30
4,4'-DDE	1.8	U	180	206		ug/Kg	☼	114	70 - 147	19	30
4,4'-DDE	1.8	U	180	185		ug/Kg	☼	103	70 - 147	16	30
4,4'-DDT	2.2	U	180	221		ug/Kg	☼	122	63 - 146	20	30
4,4'-DDT	2.2	U	180	197		ug/Kg	☼	109	63 - 146	20	30
Aldrin	1.9	U	180	190		ug/Kg	☼	106	69 - 138	20	30
Aldrin	1.9	U	180	167		ug/Kg	☼	93	69 - 138	15	30
alpha-BHC	2.0	U	180	199		ug/Kg	☼	110	68 - 133	20	30
alpha-BHC	2.0	U	180	180		ug/Kg	☼	100	68 - 133	18	30
beta-BHC	2.2	U	180	189		ug/Kg	☼	105	67 - 137	21	30
beta-BHC	2.2	U	180	155		ug/Kg	☼	86	67 - 137	16	30
delta-BHC	1.6	U	180	206		ug/Kg	☼	114	65 - 141	20	30
delta-BHC	1.6	U	180	179		ug/Kg	☼	99	65 - 141	17	30
Dieldrin	1.6	U	180	194		ug/Kg	☼	108	63 - 129	19	30
Dieldrin	1.6	U	180	181		ug/Kg	☼	101	63 - 129	16	30
Endosulfan I	2.0	U	180	192		ug/Kg	☼	107	69 - 140	18	30
Endosulfan I	2.0	U	180	164		ug/Kg	☼	91	69 - 140	15	30
Endosulfan II	1.8	U	180	186		ug/Kg	☼	103	66 - 136	19	30
Endosulfan II	1.8	U	180	176		ug/Kg	☼	98	66 - 136	18	30
Endosulfan sulfate	1.8	U	180	194		ug/Kg	☼	108	65 - 137	19	30
Endosulfan sulfate	1.8	U	180	187		ug/Kg	☼	104	65 - 137	20	30
Endrin	2.2	U	180	198		ug/Kg	☼	110	67 - 142	20	30
Endrin	2.2	U	180	186		ug/Kg	☼	103	67 - 142	17	30
Endrin aldehyde	1.4	U	180	197		ug/Kg	☼	109	67 - 134	19	30
Endrin aldehyde	1.4	U	180	183		ug/Kg	☼	102	67 - 134	20	30
Endrin ketone	1.8	U	180	200		ug/Kg	☼	111	68 - 146	20	30
Endrin ketone	1.8	U	180	177		ug/Kg	☼	98	68 - 146	20	30
gamma-BHC (Lindane)	1.6	U	180	201		ug/Kg	☼	112	68 - 134	19	30
gamma-BHC (Lindane)	1.6	U	180	185		ug/Kg	☼	103	68 - 134	17	30
Heptachlor	2.2	U	180	205		ug/Kg	☼	114	67 - 136	19	30
Heptachlor	2.2	U	180	173		ug/Kg	☼	96	67 - 136	16	30
Heptachlor epoxide	2.0	U	180	190		ug/Kg	☼	106	68 - 136	19	30
Heptachlor epoxide	2.0	U	180	162		ug/Kg	☼	90	68 - 136	14	30
Methoxychlor	2.2	U	180	219		ug/Kg	☼	121	52 - 150	19	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-77502-D-1-I MSD
Matrix: Solid
Analysis Batch: 230982

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 230834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor	2.2	U	180	174		ug/Kg	☼	97	52 - 150	20	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*112*		*76 - 149*
DCB Decachlorobiphenyl	*111*		*76 - 149*
Tetrachloro-m-xylene	*101*		*72 - 136*
Tetrachloro-m-xylene	*101*		*72 - 136*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-230817/1-A
Matrix: Solid
Analysis Batch: 230955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	15	U	67	15	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Aroclor 1221	15	U	67	15	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Aroclor 1232	15	U	67	15	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Aroclor 1242	15	U	67	15	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Aroclor 1248	15	U	67	15	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Aroclor 1254	19	U	67	19	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Aroclor 1260	19	U	67	19	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Aroclor-1262	19	U	67	19	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Aroclor 1268	19	U	67	19	ug/Kg		06/16/14 05:24	06/16/14 15:01	1
Polychlorinated biphenyls, Total	19	U	67	19	ug/Kg		06/16/14 05:24	06/16/14 15:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*53 - 150*	*06/16/14 05:24*	*06/16/14 15:01*	*1*
DCB Decachlorobiphenyl	*114*		*53 - 150*	*06/16/14 05:24*	*06/16/14 15:01*	*1*

Lab Sample ID: LCS 460-230817/2-A
Matrix: Solid
Analysis Batch: 230955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	333	335		ug/Kg		100	64 - 145
Aroclor 1016	333	303		ug/Kg		91	64 - 145
Aroclor 1260	333	317		ug/Kg		95	59 - 150
Aroclor 1260	333	321		ug/Kg		96	59 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*96*		*53 - 150*
DCB Decachlorobiphenyl	*99*		*53 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-77753-B-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230955 — **Prep Batch: 230817**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	15	U	345	277		ug/Kg	☼	80	64 - 145
Aroclor 1016	15	U	345	260		ug/Kg	☼	75	64 - 145
Aroclor 1260	20	U	345	334		ug/Kg	☼	97	59 - 150
Aroclor 1260	20	U	345	306		ug/Kg	☼	89	59 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*		*53 - 150*
DCB Decachlorobiphenyl	*96*		*53 - 150*

Lab Sample ID: 460-77753-B-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230955 — **Prep Batch: 230817**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	15	U	344	287		ug/Kg	☼	83	64 - 145	3	30
Aroclor 1016	15	U	344	276		ug/Kg	☼	80	64 - 145	6	30
Aroclor 1260	20	U	344	343		ug/Kg	☼	100	59 - 150	3	30
Aroclor 1260	20	U	344	318		ug/Kg	☼	92	59 - 150	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*53 - 150*
DCB Decachlorobiphenyl	*94*		*53 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-230333/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230525 — **Prep Batch: 230333**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.2	U	17	2.2	ug/Kg		06/12/14 20:27	06/13/14 12:51	1
Silvex (2,4,5-TP)	1.8	U	17	1.8	ug/Kg		06/12/14 20:27	06/13/14 12:51	1
2,4,5-T	3.4	U	17	3.4	ug/Kg		06/12/14 20:27	06/13/14 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*131*		*69 - 150*	*06/12/14 20:27*	*06/13/14 12:51*	*1*
2,4-Dichlorophenylacetic acid	*139*		*69 - 150*	*06/12/14 20:27*	*06/13/14 12:51*	*1*

Lab Sample ID: LCS 460-230333/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230525 — **Prep Batch: 230333**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	333	338		ug/Kg		101	84 - 150
2,4-D	333	331		ug/Kg		99	84 - 150
Silvex (2,4,5-TP)	333	372		ug/Kg		112	81 - 150
Silvex (2,4,5-TP)	333	384		ug/Kg		115	81 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-230333/2-A
Matrix: Solid
Analysis Batch: 230525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230333

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			333	326		ug/Kg		98	66 - 150		
2,4,5-T			333	367		ug/Kg		110	66 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*131*		*69 - 150*
2,4-Dichlorophenylacetic acid	*129*		*69 - 150*

Lab Sample ID: 460-77515-1 MS
Matrix: Solid
Analysis Batch: 230525

Client Sample ID: TCHS-S1 0-0.5
Prep Type: Total/NA
Prep Batch: 230333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D	2.4	U	368	377		ug/Kg	☼	102	84 - 150		
2,4-D	2.4	U	368	366		ug/Kg	☼	100	84 - 150		
Silvex (2,4,5-TP)	2.0	U	368	416		ug/Kg	☼	113	81 - 150		
Silvex (2,4,5-TP)	2.0	U	368	437		ug/Kg	☼	119	81 - 150		
2,4,5-T	3.8	U	368	365		ug/Kg	☼	99	66 - 150		
2,4,5-T	3.8	U	368	403		ug/Kg	☼	110	66 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*133*		*69 - 150*
2,4-Dichlorophenylacetic acid	*134*		*69 - 150*

Lab Sample ID: 460-77515-1 MSD
Matrix: Solid
Analysis Batch: 230525

Client Sample ID: TCHS-S1 0-0.5
Prep Type: Total/NA
Prep Batch: 230333

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	2.4	U	368	343		ug/Kg	☼	93	84 - 150	7	30
2,4-D	2.4	U	368	363		ug/Kg	☼	99	84 - 150	4	30
Silvex (2,4,5-TP)	2.0	U	368	411		ug/Kg	☼	112	81 - 150	1	30
Silvex (2,4,5-TP)	2.0	U	368	433		ug/Kg	☼	118	81 - 150	1	30
2,4,5-T	3.8	U	368	358		ug/Kg	☼	98	66 - 150	2	30
2,4,5-T	3.8	U	368	403		ug/Kg	☼	110	66 - 150	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*124*		*69 - 150*
2,4-Dichlorophenylacetic acid	*129*		*69 - 150*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-230216/1-A
Matrix: Solid
Analysis Batch: 230432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230216

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: MB 460-230216/1-A
Matrix: Solid
Analysis Batch: 230432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230216

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C12 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C16-C21 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C21-C40 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C16-C21 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C10-C12 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C12-C16 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C21-C36 Aromatic	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*40 - 140*	*06/12/14 12:45*	*06/13/14 11:47*	*1*
2-Fluorobiphenyl	*92*		*40 - 140*	*06/12/14 12:45*	*06/13/14 11:47*	*1*
2-Bromonaphthalene	*61*		*40 - 140*	*06/12/14 12:45*	*06/13/14 11:47*	*1*
1-Chlorooctadecane	*72*		*40 - 140*	*06/12/14 12:45*	*06/13/14 11:47*	*1*

Lab Sample ID: LCS 460-230216/2-A
Matrix: Solid
Analysis Batch: 230432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C12-C16 Aliphatics	13.3	10.5		mg/Kg		79	40 - 140
C9-C12 Aliphatics	20.0	12.1		mg/Kg		60	40 - 140
C16-C21 Aliphatics	26.7	20.4		mg/Kg		77	40 - 140
C21-C40 Aliphatics	66.7	43.7		mg/Kg		66	40 - 140
C16-C21 Aromatics	40.0	35.3		mg/Kg		88	40 - 140
C10-C12 Aromatics	20.0	11.1		mg/Kg		55	40 - 140
C12-C16 Aromatics	26.7	16.9		mg/Kg		63	40 - 140
C21-C36 Aromatic	60.0	55.0		mg/Kg		92	40 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*100*		*40 - 140*
2-Fluorobiphenyl	*86*		*40 - 140*
2-Bromonaphthalene	*71*		*40 - 140*
1-Chlorooctadecane	*61*		*40 - 140*

Lab Sample ID: 460-77515-2 MS
Matrix: Solid
Analysis Batch: 230432

Client Sample ID: TCHS-S1 9.5-10
Prep Type: Total/NA
Prep Batch: 230216

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C12-C16 Aliphatics	2.1	U	14.3	9.26		mg/Kg	☼	65	40 - 140
C9-C12 Aliphatics	2.1	U	21.4	11.7		mg/Kg	☼	55	40 - 140
C16-C21 Aliphatics	2.1	U	28.5	18.6		mg/Kg	☼	65	40 - 140
C21-C40 Aliphatics	2.1	U	71.3	39.0		mg/Kg	☼	55	40 - 140
C16-C21 Aromatics	2.1	U	42.8	29.3		mg/Kg	☼	68	40 - 140
C10-C12 Aromatics	2.1	U	21.4	9.99		mg/Kg	☼	47	40 - 140
C12-C16 Aromatics	2.1	U	28.5	14.2		mg/Kg	☼	50	40 - 140
C21-C36 Aromatic	2.1	U	64.1	42.9		mg/Kg	☼	67	40 - 140

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 460-77515-2 MS
Matrix: Solid
Analysis Batch: 230433

Client Sample ID: TCHS-S1 9.5-10
Prep Type: Total/NA
Prep Batch: 230216

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*77*		*40 - 140*
2-Fluorobiphenyl	*87*		*40 - 140*
2-Bromonaphthalene	*75*		*40 - 140*
1-Chlorooctadecane	*48*		*40 - 140*

Lab Sample ID: 460-77515-2 MSD
Matrix: Solid
Analysis Batch: 230432

Client Sample ID: TCHS-S1 9.5-10
Prep Type: Total/NA
Prep Batch: 230216

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C12-C16 Aliphatics	2.1	U	14.3	9.77		mg/Kg	☼	69	40 - 140	5	25
C9-C12 Aliphatics	2.1	U	21.4	10.4		mg/Kg	☼	49	40 - 140	12	25
C16-C21 Aliphatics	2.1	U	28.5	18.7		mg/Kg	☼	65	40 - 140	1	25
C21-C40 Aliphatics	2.1	U	71.3	36.6		mg/Kg	☼	51	40 - 140	6	25
C16-C21 Aromatics	2.1	U	42.8	27.1		mg/Kg	☼	63	40 - 140	8	25
C10-C12 Aromatics	2.1	U	21.4	8.65		mg/Kg	☼	40	40 - 140	14	25
C12-C16 Aromatics	2.1	U	28.5	12.7		mg/Kg	☼	45	40 - 140	11	25
C21-C36 Aromatic	2.1	U	64.1	41.5		mg/Kg	☼	65	40 - 140	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*74*		*40 - 140*
2-Fluorobiphenyl	*85*		*40 - 140*
2-Bromonaphthalene	*68*		*40 - 140*
1-Chlorooctadecane	*49*		*40 - 140*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-230842/1-A ^2
Matrix: Solid
Analysis Batch: 231007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.19	U	1.0	0.19	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Aluminum	11.1	U	20.0	11.1	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Arsenic	0.41	U	1.5	0.41	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Barium	0.87	U	20.0	0.87	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Beryllium	0.14	U	0.20	0.14	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Calcium	38.3	U	500	38.3	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Cadmium	0.14	U	0.40	0.14	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Cobalt	0.45	U	5.0	0.45	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Chromium	0.40	U	1.0	0.40	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Copper	0.88	U	2.5	0.88	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Iron	12.5	U	15.0	12.5	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Potassium	13.8	U	500	13.8	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Magnesium	33.2	U	500	33.2	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Manganese	0.43	U	1.5	0.43	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Sodium	37.8	U	500	37.8	mg/Kg		06/16/14 07:15	06/16/14 14:31	2

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 460-230842/1-A ^2
Matrix: Solid
Analysis Batch: 231007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.90	U	4.0	0.90	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Lead	0.41	U	1.0	0.41	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Antimony	0.76	U	2.0	0.76	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Selenium	0.57	U	2.0	0.57	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Thallium	0.98	U	2.0	0.98	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Vanadium	0.41	U	5.0	0.41	mg/Kg		06/16/14 07:15	06/16/14 14:31	2
Zinc	0.86	U	3.0	0.86	mg/Kg		06/16/14 07:15	06/16/14 14:31	2

Lab Sample ID: LCSSRM 460-230842/2-A
Matrix: Solid
Analysis Batch: 231007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230842

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	42.3	43.64		mg/Kg		103.2	66.2 - 134.0
Aluminum	9310	7796		mg/Kg		83.7	43.3 - 156.8
Arsenic	168	170.7		mg/Kg		101.6	70.8 - 129.8
Barium	213	225.7		mg/Kg		106.0	73.2 - 126.8
Beryllium	110	115.1		mg/Kg		104.7	75.1 - 125.5
Calcium	6870	7372		mg/Kg		107.3	74.4 - 125.8
Cadmium	103	114.8		mg/Kg		111.4	73.0 - 126.2
Cobalt	131	149.0		mg/Kg		113.8	74.4 - 125.2
Chromium	119	131.7		mg/Kg		110.7	69.7 - 129.4
Copper	118	126.2		mg/Kg		106.9	74.6 - 124.6
Iron	13000	13900		mg/Kg		106.9	32.2 - 167.7
Potassium	3130	2901		mg/Kg		92.7	62.9 - 136.7
Magnesium	2780	2630		mg/Kg		94.6	65.1 - 135.3
Manganese	338	376.0		mg/Kg		111.3	75.4 - 125.1
Sodium	350	310.5	J	mg/Kg		88.7	42.9 - 156.9
Nickel	70.0	81.92		mg/Kg		117.0	70.9 - 129.0
Lead	76.9	86.85		mg/Kg		112.9	68.7 - 131.3
Antimony	120	227.9		mg/Kg		189.9	20.8 - 252.5
Selenium	126	130.3		mg/Kg		103.4	66.7 - 134.1
Thallium	208	235.4		mg/Kg		113.2	69.2 - 130.8

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-230842/2-A
Matrix: Solid
Analysis Batch: 231007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230842

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	87.1	92.91		mg/Kg		106.7	63.1 - 136.6
Zinc	276	307.7		mg/Kg		111.5	71.4 - 128.6

Lab Sample ID: 460-77735-E-5-C MS ^4
Matrix: Solid
Analysis Batch: 231007

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 230842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.45	U	5.79	5.32		mg/Kg	☼	92	75 - 125
Aluminum	7810		232	9585	4	mg/Kg	☼	3293	75 - 125
Arsenic	1.6	J	232	207.5		mg/Kg	☼	89	75 - 125
Barium	41.3	J	232	268.1		mg/Kg	☼	111	75 - 125
Beryllium	0.64		5.79	6.17		mg/Kg	☼	104	75 - 125
Calcium	887	J	2320	2952		mg/Kg	☼	118	75 - 125
Cadmium	0.33	U	5.79	5.33		mg/Kg	☼	92	75 - 125
Cobalt	5.7	J	57.9	61.62		mg/Kg	☼	104	75 - 125
Chromium	14.0		23.2	36.59	F1	mg/Kg	☼	143	75 - 125
Copper	11.0		29.0	37.45		mg/Kg	☼	120	75 - 125
Iron	16000		116	16040	4	mg/Kg	☼	10402	75 - 125
Potassium	1260		2320	3796	F1	mg/Kg	☼	150	75 - 125
Magnesium	3220		2320	5525	F1	mg/Kg	☼	204	75 - 125
Manganese	173		57.9	228.2	F1	mg/Kg	☼	319	75 - 125
Sodium	141	J	2320	2262		mg/Kg	☼	96	75 - 125
Nickel	13.6		57.9	70.91		mg/Kg	☼	117	75 - 125
Lead	16.9		57.9	71.56		mg/Kg	☼	116	75 - 125
Antimony	1.7	U	57.9	42.92	F1	mg/Kg	☼	74	75 - 125
Selenium	1.3	U	232	208.2		mg/Kg	☼	90	75 - 125
Thallium	2.3	U	232	229.5		mg/Kg	☼	99	75 - 125
Vanadium	23.2		57.9	78.61	F1	mg/Kg	☼	126	75 - 125
Zinc	32.5		57.9	89.85	F1	mg/Kg	☼	141	75 - 125

Lab Sample ID: 460-77735-E-5-B DU ^4
Matrix: Solid
Analysis Batch: 231007

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 230842

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	0.45	U	0.44	U	mg/Kg	☼	NC	20
Aluminum	7810		7622		mg/Kg	☼	2	20
Arsenic	1.6	J	1.81	J	mg/Kg	☼	9	20
Barium	41.3	J	40.19	J	mg/Kg	☼	3	20
Beryllium	0.64		0.617		mg/Kg	☼	4	20
Calcium	887	J	876.6	J	mg/Kg	☼	1	20
Cadmium	0.33	U	0.32	U	mg/Kg	☼	NC	20
Cobalt	5.7	J	5.53	J	mg/Kg	☼	4	20
Chromium	14.0		13.73		mg/Kg	☼	2	20
Copper	11.0		10.85		mg/Kg	☼	1	20
Iron	16000		15650		mg/Kg	☼	2	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-77735-E-5-B DU ^4
Matrix: Solid
Analysis Batch: 231007

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 230842

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Potassium	1260		1233		mg/Kg	☼	2	20
Magnesium	3220		3160		mg/Kg	☼	2	20
Manganese	173		170.3		mg/Kg	☼	1	20
Sodium	141	J	138.4	J	mg/Kg	☼	2	20
Nickel	13.6		13.13		mg/Kg	☼	3	20
Lead	16.9		16.24		mg/Kg	☼	4	20
Antimony	1.7	U	1.7	U	mg/Kg	☼	NC	20
Selenium	1.3	U	1.3	U	mg/Kg	☼	NC	20
Thallium	2.3	U	2.2	U	mg/Kg	☼	NC	20
Vanadium	23.2		22.64		mg/Kg	☼	2	20
Zinc	32.5		31.51		mg/Kg	☼	3	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 460-230403/10-A
Matrix: Solid
Analysis Batch: 230473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.017	0.012	mg/Kg		06/13/14 05:30	06/13/14 08:49	1

Lab Sample ID: LCSSRM 460-230403/11-A ^50
Matrix: Solid
Analysis Batch: 230473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230403

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	25.1	25.79		mg/Kg		102.8	51.4 - 148.2

Lab Sample ID: 460-77514-D-4-D MS
Matrix: Solid
Analysis Batch: 230473

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 230403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.012	U	0.0853	0.0972		mg/Kg	☼	114	75 - 125

Lab Sample ID: 460-77514-D-4-C DU
Matrix: Solid
Analysis Batch: 230473

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 230403

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.012	U	0.012	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-230404/10-A
Matrix: Solid
Analysis Batch: 230473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.017	0.012	mg/Kg		06/13/14 05:45	06/13/14 09:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: 460-77515-6 MS
Matrix: Solid
Analysis Batch: 230473

Client Sample ID: TCHS-S8 3-3.5
Prep Type: Total/NA
Prep Batch: 230404

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.12		0.0913	0.208		mg/Kg	☼	99	75 - 125

Lab Sample ID: 460-77515-6 DU
Matrix: Solid
Analysis Batch: 230473

Client Sample ID: TCHS-S8 3-3.5
Prep Type: Total/NA
Prep Batch: 230404

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.12		0.119		mg/Kg	☼	0.8	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-77630-A-3 DU
Matrix: Solid
Analysis Batch: 230282

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	38.8		41.6		%		7	20
Percent Solids	61.2		58.4		%		5	20

GC/MS VOA

Prep Batch: 229938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	5035	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	5035	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	5035	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	5035	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	5035	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	5035	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	5035	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	5035	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	5035	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	5035	
LB3 460-229938/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 231011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	8260C	229938
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	8260C	229938
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	8260C	229938
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	8260C	229938
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	8260C	229938
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	8260C	229938
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	8260C	229938
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	8260C	229938
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	8260C	229938
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	8260C	229938
LB3 460-229938/1-A	Method Blank	Total/NA	Solid	8260C	229938
LCS 460-231011/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-231011/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
MB 460-231011/6	Method Blank	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 108577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	3541	
460-77515-1 MS	TCHS-S1 0-0.5	Total/NA	Solid	3541	
460-77515-1 MSD	TCHS-S1 0-0.5	Total/NA	Solid	3541	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	3541	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	3541	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	3541	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	3541	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	3541	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	3541	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	3541	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	3541	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	3541	
LCS 180-108577/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-108577/1-A	Method Blank	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Analysis Batch: 108659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	8270D	108577
460-77515-1 MS	TCHS-S1 0-0.5	Total/NA	Solid	8270D	108577
460-77515-1 MSD	TCHS-S1 0-0.5	Total/NA	Solid	8270D	108577
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	8270D	108577
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	8270D	108577
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	8270D	108577
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	8270D	108577
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	8270D	108577
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	8270D	108577
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	8270D	108577
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	8270D	108577
LCS 180-108577/2-A	Lab Control Sample	Total/NA	Solid	8270D	108577
MB 180-108577/1-A	Method Blank	Total/NA	Solid	8270D	108577

Analysis Batch: 108741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	8270D	108577

GC Semi VOA

Prep Batch: 230216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	3546	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	3546	
460-77515-2 MS	TCHS-S1 9.5-10	Total/NA	Solid	3546	
460-77515-2 MSD	TCHS-S1 9.5-10	Total/NA	Solid	3546	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	3546	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	3546	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	3546	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	3546	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	3546	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	3546	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	3546	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	3546	
LCS 460-230216/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-230216/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 230333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	8151A	
460-77515-1 MS	TCHS-S1 0-0.5	Total/NA	Solid	8151A	
460-77515-1 MSD	TCHS-S1 0-0.5	Total/NA	Solid	8151A	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	8151A	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	8151A	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	8151A	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	8151A	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	8151A	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	8151A	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	8151A	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	8151A	

GC Semi VOA (Continued)

Prep Batch: 230333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	8151A	
LCS 460-230333/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 460-230333/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 230432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77515-2 MS	TCHS-S1 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77515-2 MSD	TCHS-S1 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	NJDEP EPH	230216
LCS 460-230216/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	230216
MB 460-230216/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	230216

Analysis Batch: 230433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77515-2 MS	TCHS-S1 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77515-2 MSD	TCHS-S1 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	NJDEP EPH	230216
LCS 460-230216/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	230216
MB 460-230216/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	230216

Analysis Batch: 230525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	8151A	230333
460-77515-1 MS	TCHS-S1 0-0.5	Total/NA	Solid	8151A	230333
460-77515-1 MSD	TCHS-S1 0-0.5	Total/NA	Solid	8151A	230333
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	8151A	230333
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	8151A	230333
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	8151A	230333
LCS 460-230333/2-A	Lab Control Sample	Total/NA	Solid	8151A	230333
MB 460-230333/1-A	Method Blank	Total/NA	Solid	8151A	230333

GC Semi VOA (Continued)

Analysis Batch: 230531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	8151A	230333
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	8151A	230333
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	8151A	230333
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	8151A	230333
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	8151A	230333

Analysis Batch: 230532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	8151A	230333

Prep Batch: 230817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	3546	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	3546	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	3546	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	3546	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	3546	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	3546	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	3546	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	3546	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	3546	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	3546	
460-77753-B-1-B MS	Matrix Spike	Total/NA	Solid	3546	
460-77753-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
LCS 460-230817/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-230817/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 230834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77502-D-1-H MS	Matrix Spike	Total/NA	Solid	3546	
460-77502-D-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	3546	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	3546	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	3546	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	3546	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	3546	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	3546	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	3546	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	3546	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	3546	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	3546	
LCS 460-230834/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-230834/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 230955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	8082A	230817
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	8082A	230817
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	8082A	230817
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	8082A	230817
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	8082A	230817

GC Semi VOA (Continued)

Analysis Batch: 230955 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	8082A	230817
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	8082A	230817
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	8082A	230817
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	8082A	230817
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	8082A	230817
460-77753-B-1-B MS	Matrix Spike	Total/NA	Solid	8082A	230817
460-77753-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	230817
LCS 460-230817/2-A	Lab Control Sample	Total/NA	Solid	8082A	230817
MB 460-230817/1-A	Method Blank	Total/NA	Solid	8082A	230817

Analysis Batch: 230982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77502-D-1-H MS	Matrix Spike	Total/NA	Solid	8081B	230834
460-77502-D-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	230834
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	8081B	230834
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	8081B	230834
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	8081B	230834
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	8081B	230834
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	8081B	230834
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	8081B	230834
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	8081B	230834
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	8081B	230834
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	8081B	230834
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	8081B	230834
LCS 460-230834/2-A	Lab Control Sample	Total/NA	Solid	8081B	230834
MB 460-230834/1-A	Method Blank	Total/NA	Solid	8081B	230834

Analysis Batch: 231129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	NJ DEP EPH	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	NJ DEP EPH	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	NJ DEP EPH	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	NJ DEP EPH	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	NJ DEP EPH	

Metals

Prep Batch: 230403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77514-D-4-C DU	Duplicate	Total/NA	Solid	7471B	
460-77514-D-4-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	7471B	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	7471B	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	7471B	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 230403 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	7471B	
LCSSRM 460-230403/11-A ^50	Lab Control Sample	Total/NA	Solid	7471B	
MB 460-230403/10-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 230404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	7471B	
460-77515-6 DU	TCHS-S8 3-3.5	Total/NA	Solid	7471B	
460-77515-6 MS	TCHS-S8 3-3.5	Total/NA	Solid	7471B	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	7471B	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	7471B	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	7471B	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	7471B	
LCSSRM 460-230404/11-A ^50	Lab Control Sample	Total/NA	Solid	7471B	
MB 460-230404/10-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 230473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77514-D-4-C DU	Duplicate	Total/NA	Solid	7471B	230403
460-77514-D-4-D MS	Matrix Spike	Total/NA	Solid	7471B	230403
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	7471B	230403
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	7471B	230403
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	7471B	230403
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	7471B	230403
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	7471B	230403
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	7471B	230404
460-77515-6 DU	TCHS-S8 3-3.5	Total/NA	Solid	7471B	230404
460-77515-6 MS	TCHS-S8 3-3.5	Total/NA	Solid	7471B	230404
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	7471B	230404
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	7471B	230404
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	7471B	230404
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	7471B	230404
LCSSRM 460-230403/11-A ^50	Lab Control Sample	Total/NA	Solid	7471B	230403
LCSSRM 460-230404/11-A ^50	Lab Control Sample	Total/NA	Solid	7471B	230404
MB 460-230403/10-A	Method Blank	Total/NA	Solid	7471B	230403
MB 460-230404/10-A	Method Blank	Total/NA	Solid	7471B	230404

Prep Batch: 230842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	3050B	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	3050B	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	3050B	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	3050B	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	3050B	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	3050B	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	3050B	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	3050B	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	3050B	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	3050B	
460-77735-E-5-B DU ^4	Duplicate	Total/NA	Solid	3050B	
460-77735-E-5-C MS ^4	Matrix Spike	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 230842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-230842/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-230842/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 231007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	6010C	230842
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	6010C	230842
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	6010C	230842
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	6010C	230842
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	6010C	230842
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	6010C	230842
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	6010C	230842
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	6010C	230842
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	6010C	230842
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	6010C	230842
460-77735-E-5-B DU ^4	Duplicate	Total/NA	Solid	6010C	230842
460-77735-E-5-C MS ^4	Matrix Spike	Total/NA	Solid	6010C	230842
LCSSRM 460-230842/2-A	Lab Control Sample	Total/NA	Solid	6010C	230842
MB 460-230842/1-A ^2	Method Blank	Total/NA	Solid	6010C	230842

General Chemistry

Analysis Batch: 230282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-1	TCHS-S1 0-0.5	Total/NA	Solid	Moisture	
460-77515-2	TCHS-S1 9.5-10	Total/NA	Solid	Moisture	
460-77515-3	TCHS-S7 0-0.5	Total/NA	Solid	Moisture	
460-77515-4	TCHS-S7 10-10.5	Total/NA	Solid	Moisture	
460-77515-5	TCHS-S8 0-0.5	Total/NA	Solid	Moisture	
460-77515-6	TCHS-S8 3-3.5	Total/NA	Solid	Moisture	
460-77515-7	TCHS-S9 0-0.5	Total/NA	Solid	Moisture	
460-77515-8	TCHS-S9 10-10.5	Total/NA	Solid	Moisture	
460-77515-9	TCHS-S10 0-0.5	Total/NA	Solid	Moisture	
460-77515-10	TCHS-S10 10-10.5	Total/NA	Solid	Moisture	
460-77630-A-3 DU	Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: TCHS-S1 0-0.5

Lab Sample ID: 460-77515-1

Date Collected: 06/10/14 16:00

Matrix: Solid

Date Received: 06/10/14 21:20

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:13	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/16/14 23:13	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 14:11	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 15:14	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 15:20	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230525	06/13/14 14:18	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 13:03	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 13:03	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 15:41	YZH	TAL EDI
Total/NA	Prep	7471B			230403	06/13/14 05:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 09:42	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S1 9.5-10

Lab Sample ID: 460-77515-2

Date Collected: 06/10/14 16:00

Matrix: Solid

Date Received: 06/10/14 21:20

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:14	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/16/14 23:38	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 15:41	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 15:26	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 15:39	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230525	06/13/14 14:42	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 12:47	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 12:47	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 15:44	YZH	TAL EDI

Client Sample ID: TCHS-S1 9.5-10

Lab Sample ID: 460-77515-2

Date Collected: 06/10/14 16:00
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			230403	06/13/14 05:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 09:44	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S7 0-0.5

Lab Sample ID: 460-77515-3

Date Collected: 06/10/14 12:34
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:15	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/17/14 00:02	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 16:11	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 15:37	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 15:58	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 01:50	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 13:18	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 13:18	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 15:48	YZH	TAL EDI
Total/NA	Prep	7471B			230403	06/13/14 05:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 09:46	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S7 10-10.5

Lab Sample ID: 460-77515-4

Date Collected: 06/10/14 12:34
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:16	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/17/14 00:27	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 16:40	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 15:49	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 16:17	JHP	TAL EDI

Client Sample ID: TCHS-S7 10-10.5

Lab Sample ID: 460-77515-4

Date Collected: 06/10/14 12:34
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230525	06/13/14 15:04	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 13:33	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 13:33	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 16:03	YZH	TAL EDI
Total/NA	Prep	7471B			230403	06/13/14 05:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 09:48	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S8 0-0.5

Lab Sample ID: 460-77515-5

Date Collected: 06/10/14 10:07
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:17	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/17/14 00:52	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108741	06/17/14 14:30	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 16:00	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 16:36	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230525	06/13/14 15:26	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 13:48	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 13:48	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 16:07	YZH	TAL EDI
Total/NA	Prep	7471B			230403	06/13/14 05:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 09:50	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S8 3-3.5

Lab Sample ID: 460-77515-6

Date Collected: 06/10/14 10:45

Matrix: Solid

Date Received: 06/10/14 21:20

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:18	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/17/14 01:17	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 17:40	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 16:12	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 16:55	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 04:00	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 14:03	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 14:03	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 16:10	YZH	TAL EDI
Total/NA	Prep	7471B			230404	06/13/14 05:45	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 10:02	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S9 0-0.5

Lab Sample ID: 460-77515-7

Date Collected: 06/10/14 14:05

Matrix: Solid

Date Received: 06/10/14 21:20

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:19	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/17/14 01:42	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 18:09	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 16:23	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 17:14	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230532	06/14/14 07:14	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 14:18	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 14:18	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 16:14	YZH	TAL EDI

Client Sample ID: TCHS-S9 0-0.5

Lab Sample ID: 460-77515-7

Date Collected: 06/10/14 14:05
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			230404	06/13/14 05:45	TJS	TAL EDI
Total/NA	Analysis	7471B		2	230473	06/13/14 10:11	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S9 10-10.5

Lab Sample ID: 460-77515-8

Date Collected: 06/10/14 14:15
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:20	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/17/14 02:07	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 18:38	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 16:35	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 17:34	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 05:05	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 14:34	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 14:34	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 16:17	YZH	TAL EDI
Total/NA	Prep	7471B			230404	06/13/14 05:45	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 10:13	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S10 0-0.5

Lab Sample ID: 460-77515-9

Date Collected: 06/10/14 11:15
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:21	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/17/14 02:32	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 19:08	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 16:46	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 17:53	JHP	TAL EDI

Lab Chronicle

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Client Sample ID: TCHS-S10 0-0.5

Lab Sample ID: 460-77515-9

Date Collected: 06/10/14 11:15
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 03:38	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 14:49	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 14:49	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 16:21	YZH	TAL EDI
Total/NA	Prep	7471B			230404	06/13/14 05:45	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 10:15	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Client Sample ID: TCHS-S10 10-10.5

Lab Sample ID: 460-77515-10

Date Collected: 06/10/14 11:40
Matrix: Solid
Date Received: 06/10/14 21:20
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			229938	06/11/14 13:22	AVM	TAL EDI
Total/NA	Analysis	8260C		1	231011	06/17/14 02:56	AAT	TAL EDI
Total/NA	Prep	3541			108577	06/16/14 03:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108659	06/16/14 19:37	VVP	TAL PIT
Total/NA	Prep	3546			230834	06/16/14 05:53	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230982	06/16/14 16:58	SAK	TAL EDI
Total/NA	Prep	3546			230817	06/16/14 05:24	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230955	06/16/14 18:12	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 02:12	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 15:04	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 15:04	HJK	TAL EDI
Total/NA	Prep	3050B			230842	06/16/14 07:15	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231007	06/16/14 16:25	YZH	TAL EDI
Total/NA	Prep	7471B			230404	06/13/14 05:45	TJS	TAL EDI
Total/NA	Analysis	7471B		1	230473	06/13/14 10:17	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230282	06/12/14 16:22	CJA	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New Jersey	NELAP	2	12028	06-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8082A	3546	Solid	Polychlorinated biphenyls, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-14 *
California	NELAP	9	4224CA	03-31-14 *
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-14 *
Illinois	NELAP	5	002602	06-30-14 *
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-14 *
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-14 *
New York	NELAP	2	11182	03-31-15
North Carolina DENR	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-14 *
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14

* Certification renewal pending - certification considered valid.

Method Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJ DEP EPH	New Jersey - Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010C	Metals (ICP)	SW846	TAL EDI
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

NJDEP = New Jersey Department of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77515-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-77515-1	TCHS-S1 0-0.5	Solid	06/10/14 16:00	06/10/14 21:20
460-77515-2	TCHS-S1 9.5-10	Solid	06/10/14 16:00	06/10/14 21:20
460-77515-3	TCHS-S7 0-0.5	Solid	06/10/14 12:34	06/10/14 21:20
460-77515-4	TCHS-S7 10-10.5	Solid	06/10/14 12:34	06/10/14 21:20
460-77515-5	TCHS-S8 0-0.5	Solid	06/10/14 10:07	06/10/14 21:20
460-77515-6	TCHS-S8 3-3.5	Solid	06/10/14 10:45	06/10/14 21:20
460-77515-7	TCHS-S9 0-0.5	Solid	06/10/14 14:05	06/10/14 21:20
460-77515-8	TCHS-S9 10-10.5	Solid	06/10/14 14:15	06/10/14 21:20
460-77515-9	TCHS-S10 0-0.5	Solid	06/10/14 11:15	06/10/14 21:20
460-77515-10	TCHS-S10 10-10.5	Solid	06/10/14 11:40	06/10/14 21:20

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Nick Taylor	Samplers Name (Printed) Nick Taylor	Site/Project Identification TCHS-SDA
Company CB+I	P. O. # 1519941	State (Location of site): NJ: ☒ NY: ☐ Other:
Address 200 Horizon Center	Analysis Turnaround Time: Standard ☒	Regulatory Program: NJ NED - ...ed format
City Trenton State NJ	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No:
Phone 609 588 Fax 6372		Job No: 17615

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	TAL Metals 6010C	HG 7471B	PCBs - 8082A	Pest - 8081B	Herb - 8151A	EPH	BNA/SVOCs 8270C	VOC 8260C	Sample Numbers
TCHS-S1 0-0.5	6/10/14	1600	Soil	6	X	X	X	X	X	X	X	X	1
TCHS-S1 9.5-10		1600	Soil	6	X	X	X	X	X	X	X	X	2
TCHS-S7 0-0.5		1234	Soil	6	X	X	X	X	X	X	X	X	3
TCHS-S7 10-10.5		1234	Soil	6	X	X	X	X	X	X	X	X	4
TCHS-S8 0-0.5		1007	Soil	6	X	X	X	X	X	X	X	X	5
TCHS-S8 3-3.5		1045	Soil	6	X	X	X	X	X	X	X	X	6
TCHS-S9 0-05		1405	Soil	6	X	X	X	X	X	X	X	X	7
TCHS-S9 10-10.5		1415	Soil	6	X	X	X	X	X	X	X	X	8
TCHS-S10 0-0.5		1115	Soil	6	X	X	X	X	X	X	X	X	9
TCHS-S10 10-10.5		1140	Soil	6	X	X	X	X	X	X	X	X	10

460-77515 Chain of Custody

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil: 1 — 7
6 = Other _____, 7 = Other _____ — Water:

Special Instructions Water Metals Filtered (Yes/No)? _____

	Relinquished by	Company	Date / Time	Received by	Company
1)	6/10/14 445pm	CB+I	6/10/14 445pm	1)	
2)		T.A.	6/10/14	2) 6/10/14	TA 2122
3)				3) 6/10/14	TA 2130.
4)				4)	

SHORT HOLD

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.4 - 3.3 IR#1 NO C3

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 775'5

Number of Coolers: 1 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.4 °C	3.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4, 06/09/14

Initials: _____ Date: 6/10/14

6/19/2014

Login Sample Receipt Checklist

Client: Shaw Environmental &Infrastructure CB&I

Job Number: 460-77515-1

Login Number: 77515

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3 ° C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Shaw Environmental &Infrastructure CB&I

Job Number: 460-77515-1

Login Number: 77515
List Number: 2
Creator: Kovitch, Christina M

List Source: TestAmerica Pittsburgh
List Creation: 06/13/14 03:12 PM

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-77617-1
Client Project/Site: NJSDA - Trenton Central High School

For:
Shaw Environmental &Infrastructure CB&I
200 Horizon Center Blvd.
Trenton, New Jersey 08691-1904

Attn: Mr. Mike Vollo

Authorized for release by:
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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

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

Job ID: 460-77617-1

Laboratory: TestAmerica Edison

Narrative

CASE NARRATIVE

Client: Shaw Environmental &Infrastructure CB&I

Project: NJSDA - Trenton Central High School

Report Number: 460-77617-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 6/11/2014 8:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.9º C and 3.1º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were prepared on 06/11/2014 and analyzed on 06/20/2014.

Acetone was detected in blank LB3 460-230059/1-A and MB 460-231801/6 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The continuing calibration verification (CCV) associated with batch 231801 recovered outside control limit for the following analytes: Methyl acetate, 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4

Job ID: 460-77617-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 06/18/2014 and analyzed on 06/19/2014 and 06/20/2014.

Benzaldehyde failed the recovery criteria low for the MS and MSD of sample 460-77617-4 in batch 180-108993. Atrazine failed the recovery criteria high for the MS and MSD.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081A. The samples were prepared and analyzed on 06/12/2014.

The continuing calibration verification (CCV) associated with batch 230294 recovered above the upper control limit for Methoxychlor on the secondary column, but was within control limits on the primary column. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082. The samples were prepared on 06/12/2014 and analyzed on 06/13/2014.

The closing calibration verification (CCV) associated with batch 230342 recovered above the upper control limits for Aroclor 1016, Aroclor 1260 and DCB surrogate on the secondary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 06/12/2014 and 06/13/2014 and analyzed on 06/14/2014.

Surrogate recovery (DCAA) for the following sample was outside the upper control limit on the secondary column: TCHS-S1 0-0.5 (460-77515-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Refer to the QC report for details.

Job ID: 460-77617-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

No other difficulties were encountered during the herbicides analysis.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 06/12/2014 and 06/13/2014 and analyzed on 06/13/2014 and 06/16/2014.

C10-C12 Aromatics failed the recovery criteria low for the MS of sample 460-77617-6 in batch 460-230881.

C10-C12 Aromatics and C12-C16 Aromatics failed the recovery criteria low for the MSD of sample 460-77617-6 in batch 460-230881.

Refer to the QC report for details.

No other difficulties were encountered during the NJEPH analysis.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH (Calculation). The samples were analyzed on 06/17/2014.

No difficulties were encountered during the extractable petroleum hydrocarbons (EPH) analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 06/19/2014 and analyzed on 06/20/2014.

Antimony failed the recovery criteria low for the MS of sample 460-77617-2 in batch 460-231954. Aluminum, Iron and Manganese failed the recovery criteria high.

Refer to the QC report for details.

Samples TCHS-S6-0-0.5 (460-77617-1)[4X], TCHS-S6 9.5-10 (460-77617-2)[4X], TCHS-S5 0-0.5 (460-77617-3)[4X], TCHS-S5 9.5-10 (460-77617-4)[4X], TCHS-S3 0-0.5 (460-77617-5)[4X], TCHS-S3-9.5-10 (460-77617-6)[4X], TCHS-S2 0-0.5 (460-77617-7)[4X], TCHS-S2 9.5-10 (460-77617-8)[4X], TCHS-S4 0-0.5 (460-77617-9)[4X] and TCHS-S4 5.5-6.0 (460-77617-10)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 06/18/2014.

Job ID: 460-77617-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

Sample TCHS-S2 0-0.5 (460-77617-7)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples TCHS-S6-0-0.5 (460-77617-1), TCHS-S6 9.5-10 (460-77617-2), TCHS-S5 0-0.5 (460-77617-3), TCHS-S5 9.5-10 (460-77617-4), TCHS-S3 0-0.5 (460-77617-5), TCHS-S3-9.5-10 (460-77617-6), TCHS-S2 0-0.5 (460-77617-7), TCHS-S2 9.5-10 (460-77617-8), TCHS-S4 0-0.5 (460-77617-9) and TCHS-S4 5.5-6.0 (460-77617-10) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 06/13/2014.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S6-0-0.5

Lab Sample ID: 460-77617-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.5	B	6.9	2.3	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	12	J	79	6.7	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	9.1	J	79	7.0	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	39	J	79	9.0	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	21	J	79	7.5	ug/Kg	1	☼	8270D	Total/NA
Fluorene	14	J	79	10	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	240		79	12	ug/Kg	1	☼	8270D	Total/NA
Anthracene	48	J	79	7.7	ug/Kg	1	☼	8270D	Total/NA
Carbazole	29	J	79	7.2	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	520		79	8.4	ug/Kg	1	☼	8270D	Total/NA
Pyrene	440		79	7.9	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	54	J	390	53	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	250		79	9.8	ug/Kg	1	☼	8270D	Total/NA
Chrysene	340		79	9.3	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	590	J	790	63	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	370		79	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	160		79	16	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	260		79	7.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	270		79	7.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	220		79	8.1	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	59	J	79	8.7	ug/Kg	1	☼	8270D	Total/NA
Total Aromatics	53		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total Aliphatics	64		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total EPH	120		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Aluminum	8340		45.0	24.8	mg/Kg	4	☼	6010C	Total/NA
Arsenic	7.5		3.4	0.92	mg/Kg	4	☼	6010C	Total/NA
Barium	69.0		45.0	1.9	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.45		0.45	0.31	mg/Kg	4	☼	6010C	Total/NA
Calcium	664	J	1120	86.0	mg/Kg	4	☼	6010C	Total/NA
Cobalt	6.4	J	11.2	1.0	mg/Kg	4	☼	6010C	Total/NA
Chromium	17.1		2.2	0.90	mg/Kg	4	☼	6010C	Total/NA
Copper	57.6		5.6	2.0	mg/Kg	4	☼	6010C	Total/NA
Iron	18700		33.7	28.0	mg/Kg	4	☼	6010C	Total/NA
Potassium	539	J	1120	31.0	mg/Kg	4	☼	6010C	Total/NA
Magnesium	1940		1120	74.6	mg/Kg	4	☼	6010C	Total/NA
Manganese	327		3.4	0.97	mg/Kg	4	☼	6010C	Total/NA
Nickel	15.5		9.0	2.0	mg/Kg	4	☼	6010C	Total/NA
Lead	194		2.2	0.92	mg/Kg	4	☼	6010C	Total/NA
Vanadium	20.5		11.2	0.93	mg/Kg	4	☼	6010C	Total/NA
Zinc	132		6.7	1.9	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.30		0.019	0.013	mg/Kg	1	☼	7471B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C12-C16 Aliphatics	3.7		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C9-C12 Aliphatics	9.8		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aliphatics	4.5		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C40 Aliphatics	46		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aromatics	6.8		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C10-C12 Aromatics	5.5		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C12-C16 Aromatics	3.7		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C36 Aromatic	37		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S6 9.5-10 — Lab Sample ID: 460-77617-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.4	B	5.7	1.9	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	240	J	730	59	ug/Kg	1	☼	8270D	Total/NA
Aluminum	10200		41.4	22.9	mg/Kg	4	☼	6010C	Total/NA
Arsenic	4.2		3.1	0.85	mg/Kg	4	☼	6010C	Total/NA
Barium	37.9	J	41.4	1.8	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.58		0.41	0.28	mg/Kg	4	☼	6010C	Total/NA
Calcium	180	J	1040	79.3	mg/Kg	4	☼	6010C	Total/NA
Cobalt	11.1		10.4	0.93	mg/Kg	4	☼	6010C	Total/NA
Chromium	13.0		2.1	0.83	mg/Kg	4	☼	6010C	Total/NA
Copper	16.6		5.2	1.8	mg/Kg	4	☼	6010C	Total/NA
Iron	22600		31.1	25.8	mg/Kg	4	☼	6010C	Total/NA
Potassium	601	J	1040	28.6	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2930		1040	68.8	mg/Kg	4	☼	6010C	Total/NA
Manganese	538		3.1	0.89	mg/Kg	4	☼	6010C	Total/NA
Nickel	18.5		8.3	1.9	mg/Kg	4	☼	6010C	Total/NA
Lead	12.4		2.1	0.85	mg/Kg	4	☼	6010C	Total/NA
Vanadium	15.3		10.4	0.86	mg/Kg	4	☼	6010C	Total/NA
Zinc	47.5		6.2	1.8	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-S5 0-0.5 — Lab Sample ID: 460-77617-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	17	J	82	7.0	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	13	J	82	7.3	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	73	J	82	9.3	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	16	J	82	7.8	ug/Kg	1	☼	8270D	Total/NA
Fluorene	19	J	82	11	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	270		82	13	ug/Kg	1	☼	8270D	Total/NA
Anthracene	76	J	82	8.0	ug/Kg	1	☼	8270D	Total/NA
Carbazole	32	J	82	7.5	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	600		82	8.7	ug/Kg	1	☼	8270D	Total/NA
Pyrene	520		82	8.3	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	64	J	400	56	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	290		82	10	ug/Kg	1	☼	8270D	Total/NA
Chrysene	390		82	9.7	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	450	J	820	66	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	470		82	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	130		82	16	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	300		82	8.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	330		82	8.1	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	250		82	8.4	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	79	J	82	9.1	ug/Kg	1	☼	8270D	Total/NA
Total Aromatics	61		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total Aliphatics	76		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total EPH	140		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Silver	0.53	J	2.2	0.43	mg/Kg	4	☼	6010C	Total/NA
Aluminum	8210		44.1	24.4	mg/Kg	4	☼	6010C	Total/NA
Arsenic	52.8		3.3	0.90	mg/Kg	4	☼	6010C	Total/NA
Barium	79.3		44.1	1.9	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.43	J	0.44	0.30	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S5 0-0.5 (Continued)

Lab Sample ID: 460-77617-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	678	J	1100	84.3	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.9	J	11.0	0.99	mg/Kg	4	☼	6010C	Total/NA
Chromium	17.5		2.2	0.88	mg/Kg	4	☼	6010C	Total/NA
Copper	81.7		5.5	1.9	mg/Kg	4	☼	6010C	Total/NA
Iron	15900		33.1	27.4	mg/Kg	4	☼	6010C	Total/NA
Potassium	421	J	1100	30.4	mg/Kg	4	☼	6010C	Total/NA
Magnesium	1680		1100	73.2	mg/Kg	4	☼	6010C	Total/NA
Manganese	291		3.3	0.95	mg/Kg	4	☼	6010C	Total/NA
Nickel	13.4		8.8	2.0	mg/Kg	4	☼	6010C	Total/NA
Lead	491		2.2	0.90	mg/Kg	4	☼	6010C	Total/NA
Vanadium	21.6		11.0	0.91	mg/Kg	4	☼	6010C	Total/NA
Zinc	143		6.6	1.9	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.51		0.019	0.014	mg/Kg	1	☼	7471B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C12-C16 Aliphatics	4.4		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C9-C12 Aliphatics	10		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aliphatics	5.2		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C40 Aliphatics	57		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aromatics	8.3		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C10-C12 Aromatics	5.2		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C12-C16 Aromatics	3.3		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C36 Aromatic	44		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA

Client Sample ID: TCHS-S5 9.5-10

Lab Sample ID: 460-77617-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	B	6.5	2.2	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	290	J	720	58	ug/Kg	1	☼	8270D	Total/NA
Aluminum	8840		39.3	21.7	mg/Kg	4	☼	6010C	Total/NA
Arsenic	4.5		2.9	0.80	mg/Kg	4	☼	6010C	Total/NA
Barium	43.2		39.3	1.7	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.66		0.39	0.27	mg/Kg	4	☼	6010C	Total/NA
Calcium	149	J	982	75.1	mg/Kg	4	☼	6010C	Total/NA
Cobalt	10.0		9.8	0.89	mg/Kg	4	☼	6010C	Total/NA
Chromium	11.3		2.0	0.79	mg/Kg	4	☼	6010C	Total/NA
Copper	15.7		4.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Iron	21700		29.5	24.4	mg/Kg	4	☼	6010C	Total/NA
Potassium	572	J	982	27.1	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2590		982	65.2	mg/Kg	4	☼	6010C	Total/NA
Manganese	495		2.9	0.85	mg/Kg	4	☼	6010C	Total/NA
Nickel	17.2		7.9	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	13.2		2.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Vanadium	14.8		9.8	0.81	mg/Kg	4	☼	6010C	Total/NA
Zinc	45.5		5.9	1.7	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-S3 0-0.5

Lab Sample ID: 460-77617-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	39	J	86	7.3	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	33	J	86	7.7	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S3 0-0.5 (Continued)

Lab Sample ID: 460-77617-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	320		86	9.8	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	54	J	86	8.2	ug/Kg	1	☼	8270D	Total/NA
Fluorene	87		86	11	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	1300		86	14	ug/Kg	1	☼	8270D	Total/NA
Anthracene	330		86	8.3	ug/Kg	1	☼	8270D	Total/NA
Carbazole	150		86	7.9	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	55	J	420	53	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	2700		86	9.1	ug/Kg	1	☼	8270D	Total/NA
Pyrene	2100		86	8.6	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	120	J	420	58	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	1100		86	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	1400		86	10	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	960		860	69	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	1500		86	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	620		86	17	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	1200		86	8.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1100		86	8.5	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	930		86	8.8	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	240		86	9.5	ug/Kg	1	☼	8270D	Total/NA
Total Aromatics	100		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total Aliphatics	66		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total EPH	170		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Silver	0.82	J	2.5	0.48	mg/Kg	4	☼	6010C	Total/NA
Aluminum	6700		49.9	27.6	mg/Kg	4	☼	6010C	Total/NA
Arsenic	26.8		3.7	1.0	mg/Kg	4	☼	6010C	Total/NA
Barium	89.3		49.9	2.2	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.37	J	0.50	0.34	mg/Kg	4	☼	6010C	Total/NA
Calcium	1350		1250	95.5	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.2	J	12.5	1.1	mg/Kg	4	☼	6010C	Total/NA
Chromium	23.9		2.5	1.0	mg/Kg	4	☼	6010C	Total/NA
Copper	103		6.2	2.2	mg/Kg	4	☼	6010C	Total/NA
Iron	15300		37.4	31.1	mg/Kg	4	☼	6010C	Total/NA
Potassium	362	J	1250	34.4	mg/Kg	4	☼	6010C	Total/NA
Magnesium	1560		1250	82.9	mg/Kg	4	☼	6010C	Total/NA
Manganese	232		3.7	1.1	mg/Kg	4	☼	6010C	Total/NA
Nickel	14.2		10	2.2	mg/Kg	4	☼	6010C	Total/NA
Lead	541		2.5	1.0	mg/Kg	4	☼	6010C	Total/NA
Vanadium	29.0		12.5	1.0	mg/Kg	4	☼	6010C	Total/NA
Zinc	157		7.5	2.1	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.77		0.021	0.015	mg/Kg	1	☼	7471B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C12-C16 Aliphatics	4.7		2.6	2.6	mg/Kg	1	☼	NJDEP EPH	Total/NA
C9-C12 Aliphatics	20		2.6	2.6	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aliphatics	4.3		2.6	2.6	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C40 Aliphatics	38		2.6	2.6	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aromatics	14		2.6	2.6	mg/Kg	1	☼	NJDEP EPH	Total/NA
C10-C12 Aromatics	7.0		2.6	2.6	mg/Kg	1	☼	NJDEP EPH	Total/NA
C12-C16 Aromatics	4.3		2.6	2.6	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C36 Aromatic	79		2.6	2.6	mg/Kg	1	☼	NJDEP EPH	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S3-9.5-10 — Lab Sample ID: 460-77617-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	B	6.9	2.3	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	270	J	730	59	ug/Kg	1	☼	8270D	Total/NA
Aluminum	7100		39.9	22.0	mg/Kg	4	☼	6010C	Total/NA
Arsenic	5.2		3.0	0.82	mg/Kg	4	☼	6010C	Total/NA
Barium	11.6	J	39.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.32	J	0.40	0.27	mg/Kg	4	☼	6010C	Total/NA
Calcium	263	J	997	76.3	mg/Kg	4	☼	6010C	Total/NA
Cobalt	8.1	J	10	0.90	mg/Kg	4	☼	6010C	Total/NA
Chromium	9.9		2.0	0.80	mg/Kg	4	☼	6010C	Total/NA
Copper	13.3		5.0	1.8	mg/Kg	4	☼	6010C	Total/NA
Iron	17100		29.9	24.8	mg/Kg	4	☼	6010C	Total/NA
Potassium	372	J	997	27.5	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2150		997	66.2	mg/Kg	4	☼	6010C	Total/NA
Manganese	258		3.0	0.86	mg/Kg	4	☼	6010C	Total/NA
Nickel	14.6		8.0	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	13.3		2.0	0.82	mg/Kg	4	☼	6010C	Total/NA
Vanadium	10.8		10	0.82	mg/Kg	4	☼	6010C	Total/NA
Zinc	33.9		6.0	1.7	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-S2 0-0.5 — Lab Sample ID: 460-77617-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	22	J	100	11	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	69	J	100	16	ug/Kg	1	☼	8270D	Total/NA
Anthracene	17	J	100	9.7	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	130		100	11	ug/Kg	1	☼	8270D	Total/NA
Pyrene	120		100	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	74	J	100	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	80	J	100	12	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	370	J	1000	80	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	93	J	100	16	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	50	J	100	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	73	J	100	9.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	83	J	100	9.9	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	69	J	100	10	ug/Kg	1	☼	8270D	Total/NA
Total Aromatics	90		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total Aliphatics	88		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total EPH	180		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Silver	1.3	J	2.7	0.53	mg/Kg	4	☼	6010C	Total/NA
Aluminum	6830		54.9	30.3	mg/Kg	4	☼	6010C	Total/NA
Arsenic	41.7		4.1	1.1	mg/Kg	4	☼	6010C	Total/NA
Barium	111		54.9	2.4	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.44	J	0.55	0.37	mg/Kg	4	☼	6010C	Total/NA
Calcium	1350	J	1370	105	mg/Kg	4	☼	6010C	Total/NA
Cadmium	0.86	J	1.1	0.39	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.3	J	13.7	1.2	mg/Kg	4	☼	6010C	Total/NA
Chromium	29.6		2.7	1.1	mg/Kg	4	☼	6010C	Total/NA
Copper	135		6.9	2.4	mg/Kg	4	☼	6010C	Total/NA
Iron	18100		41.2	34.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	458	J	1370	37.9	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S2 0-0.5 (Continued)

Lab Sample ID: 460-77617-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	1720		1370	91.1	mg/Kg	4	☼	6010C	Total/NA
Manganese	230		4.1	1.2	mg/Kg	4	☼	6010C	Total/NA
Nickel	15.6		11.0	2.5	mg/Kg	4	☼	6010C	Total/NA
Lead	721		2.7	1.1	mg/Kg	4	☼	6010C	Total/NA
Vanadium	29.6		13.7	1.1	mg/Kg	4	☼	6010C	Total/NA
Zinc	240		8.2	2.3	mg/Kg	4	☼	6010C	Total/NA
Mercury	1.9		0.046	0.032	mg/Kg	2	☼	7471B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C12-C16 Aliphatics	4.2		3.0	3.0	mg/Kg	1	☼	NJDEP EPH	Total/NA
C9-C12 Aliphatics	7.0		3.0	3.0	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aliphatics	5.7		3.0	3.0	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C40 Aliphatics	71		3.0	3.0	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aromatics	14		3.0	3.0	mg/Kg	1	☼	NJDEP EPH	Total/NA
C10-C12 Aromatics	9.0		3.0	3.0	mg/Kg	1	☼	NJDEP EPH	Total/NA
C12-C16 Aromatics	5.5		3.0	3.0	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C36 Aromatic	61		3.0	3.0	mg/Kg	1	☼	NJDEP EPH	Total/NA

Client Sample ID: TCHS-S2 9.5-10

Lab Sample ID: 460-77617-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.18	J	1.2	0.18	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	240	J	720	58	ug/Kg	1	☼	8270D	Total/NA
Aluminum	8290		40.6	22.4	mg/Kg	4	☼	6010C	Total/NA
Arsenic	3.7		3.0	0.83	mg/Kg	4	☼	6010C	Total/NA
Barium	26.1	J	40.6	1.8	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.32	J	0.41	0.28	mg/Kg	4	☼	6010C	Total/NA
Calcium	162	J	1010	77.6	mg/Kg	4	☼	6010C	Total/NA
Cobalt	3.5	J	10.1	0.92	mg/Kg	4	☼	6010C	Total/NA
Chromium	11.9		2.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Copper	11.4		5.1	1.8	mg/Kg	4	☼	6010C	Total/NA
Iron	15500		30.4	25.3	mg/Kg	4	☼	6010C	Total/NA
Potassium	461	J	1010	28.0	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2390		1010	67.4	mg/Kg	4	☼	6010C	Total/NA
Manganese	149		3.0	0.87	mg/Kg	4	☼	6010C	Total/NA
Nickel	12.0		8.1	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	10.8		2.0	0.83	mg/Kg	4	☼	6010C	Total/NA
Vanadium	10.9		10.1	0.84	mg/Kg	4	☼	6010C	Total/NA
Zinc	33.9		6.1	1.7	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-S4 0-0.5

Lab Sample ID: 460-77617-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	28	J	76	8.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	12	J	76	7.2	ug/Kg	1	☼	8270D	Total/NA
Fluorene	13	J	76	9.9	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	170		76	12	ug/Kg	1	☼	8270D	Total/NA
Anthracene	41	J	76	7.4	ug/Kg	1	☼	8270D	Total/NA
Carbazole	26	J	76	6.9	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	390		370	47	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	380		76	8.1	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S4 0-0.5 (Continued)

Lab Sample ID: 460-77617-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	290		76	7.6	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	1300		370	51	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	180		76	9.4	ug/Kg	1	☼	8270D	Total/NA
Chrysene	210		76	9.0	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	630	J	760	61	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	200		76	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	120		76	15	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	180		76	7.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	180		76	7.5	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	150		76	7.8	ug/Kg	1	☼	8270D	Total/NA
Aluminum	7970		43.7	24.2	mg/Kg	4	☼	6010C	Total/NA
Arsenic	5.3		3.3	0.90	mg/Kg	4	☼	6010C	Total/NA
Barium	51.8		43.7	1.9	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.36	J	0.44	0.30	mg/Kg	4	☼	6010C	Total/NA
Calcium	640	J	1090	83.6	mg/Kg	4	☼	6010C	Total/NA
Cobalt	5.3	J	10.9	0.99	mg/Kg	4	☼	6010C	Total/NA
Chromium	11.9		2.2	0.88	mg/Kg	4	☼	6010C	Total/NA
Copper	24.3		5.5	1.9	mg/Kg	4	☼	6010C	Total/NA
Iron	15000		32.8	27.2	mg/Kg	4	☼	6010C	Total/NA
Potassium	516	J	1090	30.2	mg/Kg	4	☼	6010C	Total/NA
Magnesium	2000		1090	72.6	mg/Kg	4	☼	6010C	Total/NA
Manganese	175		3.3	0.94	mg/Kg	4	☼	6010C	Total/NA
Nickel	13.4		8.7	2.0	mg/Kg	4	☼	6010C	Total/NA
Lead	263		2.2	0.90	mg/Kg	4	☼	6010C	Total/NA
Vanadium	17.4		10.9	0.90	mg/Kg	4	☼	6010C	Total/NA
Zinc	179		6.6	1.9	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.069		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TCHS-S4 5.5-6.0

Lab Sample ID: 460-77617-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.9	B	5.7	1.9	ug/Kg	1	☼	8260C	Total/NA
Fluoranthene	12	J	70	7.5	ug/Kg	1	☼	8270D	Total/NA
Pyrene	8.7	J	70	7.1	ug/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	65	J	350	48	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	270	J	700	57	ug/Kg	1	☼	8270D	Total/NA
Aluminum	3980		39.6	21.9	mg/Kg	4	☼	6010C	Total/NA
Barium	9.2	J	39.6	1.7	mg/Kg	4	☼	6010C	Total/NA
Calcium	356	J	989	75.7	mg/Kg	4	☼	6010C	Total/NA
Chromium	14.8		2.0	0.79	mg/Kg	4	☼	6010C	Total/NA
Copper	3.2	J	4.9	1.7	mg/Kg	4	☼	6010C	Total/NA
Iron	4360		29.7	24.6	mg/Kg	4	☼	6010C	Total/NA
Potassium	673	J	989	27.3	mg/Kg	4	☼	6010C	Total/NA
Magnesium	486	J	989	65.7	mg/Kg	4	☼	6010C	Total/NA
Manganese	55.4		3.0	0.85	mg/Kg	4	☼	6010C	Total/NA
Nickel	3.6	J	7.9	1.8	mg/Kg	4	☼	6010C	Total/NA
Lead	18.8		2.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Vanadium	4.8	J	9.9	0.82	mg/Kg	4	☼	6010C	Total/NA
Zinc	20.2		5.9	1.7	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-S6-0-0.5
Date Collected: 06/11/14 10:10
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-1
Matrix: Solid
Percent Solids: 84.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,1,2,2-Tetrachloroethane	0.12	U	1.4	0.12	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,1,2-Trichloroethane	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,1-Dichloroethane	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,1-Dichloroethene	0.26	U	1.4	0.26	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,2,3-Trichlorobenzene	0.22	U	1.4	0.22	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,2,4-Trichlorobenzene	0.26	U	1.4	0.26	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,2-Dichloropropane	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,3-Dichlorobenzene	0.22	U	1.4	0.22	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,4-Dichlorobenzene	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,4-Dioxane	17	U	27	17	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
2-Butanone (MEK)	0.86	U	6.9	0.86	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
2-Hexanone	0.18	U	6.9	0.18	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
4-Methyl-2-pentanone (MIBK)	0.27	U	6.9	0.27	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Acetone	**9.5**	**B**	6.9	2.3	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Benzene	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Bromoform	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Bromomethane	0.59	U	1.4	0.59	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Carbon disulfide	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Carbon tetrachloride	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Chlorobenzene	0.25	U	1.4	0.25	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Chlorobromomethane	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Chlorodibromomethane	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Chloroethane	0.45	U	1.4	0.45	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Chloroform	0.33	U	1.4	0.33	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Chloromethane	0.22	U	1.4	0.22	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
cis-1,2-Dichloroethene	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
cis-1,3-Dichloropropene	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Cyclohexane	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Dichlorobromomethane	0.44	U	1.4	0.44	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Dichlorodifluoromethane	0.30	U	1.4	0.30	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Ethylbenzene	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Ethylene Dibromide	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Isopropylbenzene	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Methyl acetate	0.44	U	6.9	0.44	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Methyl tert-butyl ether	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Methylcyclohexane	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Methylene Chloride	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
m-Xylene & p-Xylene	0.81	U	1.4	0.81	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
o-Xylene	0.26	U	1.4	0.26	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Styrene	0.38	U	1.4	0.38	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Tetrachloroethene	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Toluene	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
trans-1,2-Dichloroethene	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
2-Methyl-2-propanol	4.3	U	14	4.3	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
trans-1,3-Dichloropropene	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Trichloroethene	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
Trichlorofluoromethane	0.22	U	1.4	0.22	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1

Client Sample ID: TCHS-S6-0-0.5
Date Collected: 06/11/14 10:10
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-1
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.47	U	1.4	0.47	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,2-Dichloroethane	0.25	U	1.4	0.25	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,2-Dichlorobenzene	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,2-Dibromo-3-Chloropropane	0.60	U	1.4	0.60	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1
1,1,1,2-Tetrachloroethane	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 22:41	06/20/14 10:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 22:41*	*06/20/14 10:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*06/11/14 22:41*	*06/20/14 10:46*	*1*
4-Bromofluorobenzene	*85*		*70 - 130*	*06/11/14 22:41*	*06/20/14 10:46*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*06/11/14 22:41*	*06/20/14 10:46*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*06/11/14 22:41*	*06/20/14 10:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	59	U	390	59	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Phenol	9.2	U	79	9.2	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Bis(2-chloroethyl)ether	10	U	79	10	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2-Chlorophenol	32	U	390	32	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2-Methylphenol	27	U	390	27	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2,2'-oxybis[1-chloropropane]	8.4	U	79	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Acetophenone	32	U	390	32	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Methylphenol, 3 & 4	38	U	390	38	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
N-Nitrosodi-n-propylamine	9.2	U	79	9.2	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Hexachloroethane	28	U	390	28	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Nitrobenzene	33	U	790	33	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Isophorone	29	U	390	29	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2-Nitrophenol	43	U	390	43	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2,4-Dimethylphenol	61	U	390	61	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Bis(2-chloroethoxy)methane	26	U	390	26	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2,4-Dichlorophenol	7.8	U	79	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Naphthalene	**12**	**J**	79	6.7	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
4-Chloroaniline	31	U	390	31	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Hexachlorobutadiene	8.8	U	79	8.8	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Caprolactam	300	U	2000	300	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
4-Chloro-3-methylphenol	36	U	390	36	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2-Methylnaphthalene	**9.1**	**J**	79	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Hexachlorocyclopentadiene	42	U	390	42	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2,4,5-Trichlorophenol	42	U	390	42	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2,4,6-Trichlorophenol	59	U	390	59	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
1,1'-Biphenyl	35	U	390	35	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2-Chloronaphthalene	8.2	U	79	8.2	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2-Nitroaniline	180	U	2000	180	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Dimethyl phthalate	43	U	390	43	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2,6-Dinitrotoluene	40	U	390	40	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Acenaphthylene	**39**	**J**	79	9.0	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
3-Nitroaniline	160	U	2000	160	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Acenaphthene	**21**	**J**	79	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S6-0-0.5
Date Collected: 06/11/14 10:10
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-1
Matrix: Solid
Percent Solids: 84.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	470	U	2000	470	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
4-Nitrophenol	140	U	2000	140	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Dibenzofuran	38	U	390	38	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2,4-Dinitrotoluene	32	U	390	32	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Diethyl phthalate	43	U	390	43	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Fluorene	**14**	**J**	79	10	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
4-Chlorophenyl phenyl ether	43	U	390	43	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
4-Nitroaniline	160	U	2000	160	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
4,6-Dinitro-2-methylphenol	160	U	2000	160	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
N-Nitrosodiphenylamine	36	U	390	36	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
1,2,4,5-Tetrachlorobenzene	30	U	390	30	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
4-Bromophenyl phenyl ether	34	U	390	34	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Hexachlorobenzene	8.3	U	79	8.3	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Atrazine	38	U	390	38	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Pentachlorophenol	35	U	390	35	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Phenanthrene	**240**		79	12	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Anthracene	**48**	**J**	79	7.7	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Carbazole	**29**	**J**	79	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Di-n-butyl phthalate	49	U	390	49	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Fluoranthene	**520**		79	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Pyrene	**440**		79	7.9	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Butyl benzyl phthalate	**54**	**J**	390	53	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
3,3'-Dichlorobenzidine	41	U	390	41	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Benzo[a]anthracene	**250**		79	9.8	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Chrysene	**340**		79	9.3	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Bis(2-ethylhexyl) phthalate	**590**	**J**	790	63	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Di-n-octyl phthalate	41	U	390	41	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Benzo[b]fluoranthene	**370**		79	12	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Benzo[k]fluoranthene	**160**		79	16	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Benzo[a]pyrene	**260**		79	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Benzo[g,h,i]perylene	**270**		79	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Indeno[1,2,3-cd]pyrene	**220**		79	8.1	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
Dibenz(a,h)anthracene	**59**	**J**	79	8.7	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1
2,3,4,6-Tetrachlorophenol	25	U	390	25	ug/Kg	☼	06/18/14 03:05	06/19/14 13:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*500*	*J*	*ug/Kg*	☼	*15.99*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*1200*	*J*	*ug/Kg*	☼	*16.34*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*490*	*J*	*ug/Kg*	☼	*16.74*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*320*	*J*	*ug/Kg*	☼	*17.05*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*540*	*J*	*ug/Kg*	☼	*17.76*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*1200*	*J*	*ug/Kg*	☼	*18.15*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*2300*	*J*	*ug/Kg*	☼	*19.41*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown Straight Chain Alkane	*300*	*J*	*ug/Kg*	☼	*19.87*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*640*	*J*	*ug/Kg*	☼	*20.23*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*1400*	*J*	*ug/Kg*	☼	*21.03*		*06/18/14 03:05*	*06/19/14 13:14*	*1*
Unknown	*680*	*J*	*ug/Kg*	☼	*21.07*		*06/18/14 03:05*	*06/19/14 13:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*25 - 104*	*06/18/14 03:05*	*06/19/14 13:14*	*1*

Client Sample ID: TCHS-S6-0-0.5
Date Collected: 06/11/14 10:10
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-1
Matrix: Solid
Percent Solids: 84.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 124*	*06/18/14 03:05*	*06/19/14 13:14*	*1*
2-Fluorophenol (Surr)	*50*		*39 - 103*	*06/18/14 03:05*	*06/19/14 13:14*	*1*
2-Fluorobiphenyl	*60*		*35 - 105*	*06/18/14 03:05*	*06/19/14 13:14*	*1*
Phenol-d5 (Surr)	*53*		*25 - 105*	*06/18/14 03:05*	*06/19/14 13:14*	*1*
Terphenyl-d14 (Surr)	*59*		*25 - 127*	*06/18/14 03:05*	*06/19/14 13:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.5	U	7.9	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
4,4'-DDE	1.5	U	7.9	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
4,4'-DDT	1.9	U	7.9	1.9	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Aldrin	1.7	U	7.9	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
alpha-BHC	1.8	U	7.9	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
beta-BHC	1.9	U	7.9	1.9	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Chlordane (technical)	22	U	79	22	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
delta-BHC	1.4	U	7.9	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Dieldrin	1.4	U	7.9	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Endosulfan I	1.8	U	7.9	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Endosulfan II	1.5	U	7.9	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Endosulfan sulfate	1.5	U	7.9	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Endrin	1.9	U	7.9	1.9	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Endrin aldehyde	1.2	U	7.9	1.2	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Endrin ketone	1.5	U	7.9	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
gamma-BHC (Lindane)	1.4	U	7.9	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Heptachlor	1.9	U	7.9	1.9	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Heptachlor epoxide	1.8	U	7.9	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Methoxychlor	1.9	U	7.9	1.9	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1
Toxaphene	21	U	79	21	ug/Kg	☼	06/12/14 07:34	06/12/14 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*76 - 149*	*06/12/14 07:34*	*06/12/14 20:39*	*1*
DCB Decachlorobiphenyl	*109*		*76 - 149*	*06/12/14 07:34*	*06/12/14 20:39*	*1*
Tetrachloro-m-xylene	*100*		*72 - 136*	*06/12/14 07:34*	*06/12/14 20:39*	*1*
Tetrachloro-m-xylene	*102*		*72 - 136*	*06/12/14 07:34*	*06/12/14 20:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	18	U	79	18	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Aroclor 1221	18	U	79	18	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Aroclor 1232	18	U	79	18	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Aroclor 1242	18	U	79	18	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Aroclor 1248	18	U	79	18	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Aroclor 1254	22	U	79	22	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Aroclor 1260	22	U	79	22	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Aroclor-1262	22	U	79	22	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Aroclor 1268	22	U	79	22	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1
Polychlorinated biphenyls, Total	22	U	79	22	ug/Kg	☼	06/12/14 07:26	06/13/14 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*129*		*53 - 150*	*06/12/14 07:26*	*06/13/14 02:33*	*1*

Client Sample ID: TCHS-S6-0-0.5
Date Collected: 06/11/14 10:10
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-1
Matrix: Solid
Percent Solids: 84.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	127		53 - 150	06/12/14 07:26	06/13/14 02:33	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.5	U	20	2.5	ug/Kg	☼	06/12/14 20:27	06/14/14 02:34	1
Silvex (2,4,5-TP)	2.2	U	20	2.2	ug/Kg	☼	06/12/14 20:27	06/14/14 02:34	1
2,4,5-T	4.0	U	20	4.0	ug/Kg	☼	06/12/14 20:27	06/14/14 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	146		69 - 150	06/12/14 20:27	06/14/14 02:34	1
2,4-Dichlorophenylacetic acid	149		69 - 150	06/12/14 20:27	06/14/14 02:34	1

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	**53**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	**64**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	**120**		2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	**3.7**		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:04	1
C9-C12 Aliphatics	**9.8**		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:04	1
C16-C21 Aliphatics	**4.5**		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:04	1
C21-C40 Aliphatics	**46**		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:04	1
C16-C21 Aromatics	**6.8**		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:04	1
C10-C12 Aromatics	**5.5**		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:04	1
C12-C16 Aromatics	**3.7**		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:04	1
C21-C36 Aromatic	**37**		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		40 - 140	06/12/14 12:45	06/13/14 16:04	1
2-Fluorobiphenyl	89		40 - 140	06/12/14 12:45	06/13/14 16:04	1
2-Bromonaphthalene	79		40 - 140	06/12/14 12:45	06/13/14 16:04	1
1-Chlorooctadecane	43		40 - 140	06/12/14 12:45	06/13/14 16:04	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.44	U	2.2	0.44	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Aluminum	**8340**		45.0	24.8	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Arsenic	**7.5**		3.4	0.92	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Barium	**69.0**		45.0	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Beryllium	**0.45**		0.45	0.31	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Calcium	**664**	**J**	1120	86.0	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Cadmium	0.32	U	0.90	0.32	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Cobalt	**6.4**	**J**	11.2	1.0	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Chromium	**17.1**		2.2	0.90	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Copper	**57.6**		5.6	2.0	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Iron	**18700**		33.7	28.0	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Potassium	**539**	**J**	1120	31.0	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Magnesium	**1940**		1120	74.6	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4

Client Sample ID: TCHS-S6-0-0.5

Lab Sample ID: 460-77617-1

Date Collected: 06/11/14 10:10
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 84.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**327**		3.4	0.97	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Sodium	85.0	U	1120	85.0	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Nickel	**15.5**		9.0	2.0	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Lead	**194**		2.2	0.92	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Antimony	1.7	U	4.5	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Selenium	1.3	U	4.5	1.3	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Thallium	2.2	U	4.5	2.2	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Vanadium	**20.5**		11.2	0.93	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4
Zinc	**132**		6.7	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 13:50	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**		0.019	0.013	mg/Kg	☼	06/18/14 06:30	06/18/14 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.3**		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	**84.7**		1.0	1.0	%			06/13/14 11:44	1

Client Sample ID: TCHS-S6 9.5-10

Lab Sample ID: 460-77617-2

Date Collected: 06/11/14 09:55
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,1,2,2-Tetrachloroethane	0.10	U	1.1	0.10	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,1,2-Trichloroethane	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,1-Dichloroethane	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,1-Dichloroethene	0.22	U	1.1	0.22	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,2,3-Trichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,2,4-Trichlorobenzene	0.22	U	1.1	0.22	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,2-Dichloropropane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,3-Dichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,4-Dichlorobenzene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,4-Dioxane	15	U	23	15	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
2-Butanone (MEK)	0.72	U	5.7	0.72	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
2-Hexanone	0.15	U	5.7	0.15	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
4-Methyl-2-pentanone (MIBK)	0.23	U	5.7	0.23	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Acetone	**9.4**	**B**	5.7	1.9	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Benzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Bromoform	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Bromomethane	0.49	U	1.1	0.49	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Carbon disulfide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Carbon tetrachloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Chlorobenzene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Chlorobromomethane	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Chlorodibromomethane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Chloroethane	0.38	U	1.1	0.38	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1

Client Sample ID: TCHS-S6 9.5-10
Date Collected: 06/11/14 09:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-2
Matrix: Solid
Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.28	U	1.1	0.28	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Chloromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
cis-1,2-Dichloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
cis-1,3-Dichloropropene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Cyclohexane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Dichlorobromomethane	0.37	U	1.1	0.37	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Dichlorodifluoromethane	0.25	U	1.1	0.25	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Ethylbenzene	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Ethylene Dibromide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Isopropylbenzene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Methyl acetate	0.37	U	5.7	0.37	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Methyl tert-butyl ether	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Methylcyclohexane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Methylene Chloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
m-Xylene & p-Xylene	0.68	U	1.1	0.68	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
o-Xylene	0.22	U	1.1	0.22	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Styrene	0.32	U	1.1	0.32	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Tetrachloroethene	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Toluene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
trans-1,2-Dichloroethene	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
2-Methyl-2-propanol	3.6	U	11	3.6	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
trans-1,3-Dichloropropene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Trichloroethene	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Trichlorofluoromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
Vinyl chloride	0.39	U	1.1	0.39	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,2-Dichloroethane	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,2-Dichlorobenzene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,2-Dibromo-3-Chloropropane	0.50	U	1.1	0.50	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1
1,1,1,2-Tetrachloroethane	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 22:46	06/20/14 11:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 22:46*	*06/20/14 11:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*	*06/11/14 22:46*	*06/20/14 11:58*	*1*
4-Bromofluorobenzene	*85*		*70 - 130*	*06/11/14 22:46*	*06/20/14 11:58*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*06/11/14 22:46*	*06/20/14 11:58*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*	*06/11/14 22:46*	*06/20/14 11:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	55	U	360	55	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Phenol	8.6	U	73	8.6	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Bis(2-chloroethyl)ether	9.8	U	73	9.8	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2-Chlorophenol	30	U	360	30	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2-Methylphenol	25	U	360	25	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,2'-oxybis[1-chloropropane]	7.9	U	73	7.9	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Acetophenone	30	U	360	30	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Methylphenol, 3 & 4	36	U	360	36	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
N-Nitrosodi-n-propylamine	8.5	U	73	8.5	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S6 9.5-10
Date Collected: 06/11/14 09:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-2
Matrix: Solid
Percent Solids: 91.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	26	U	360	26	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Nitrobenzene	30	U	730	30	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Isophorone	27	U	360	27	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2-Nitrophenol	40	U	360	40	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,4-Dimethylphenol	57	U	360	57	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Bis(2-chloroethoxy)methane	24	U	360	24	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,4-Dichlorophenol	7.3	U	73	7.3	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Naphthalene	6.3	U	73	6.3	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
4-Chloroaniline	29	U	360	29	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Hexachlorobutadiene	8.1	U	73	8.1	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Caprolactam	270	U	1900	270	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
4-Chloro-3-methylphenol	34	U	360	34	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2-Methylnaphthalene	6.5	U	73	6.5	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Hexachlorocyclopentadiene	39	U	360	39	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,4,5-Trichlorophenol	39	U	360	39	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,4,6-Trichlorophenol	54	U	360	54	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
1,1'-Biphenyl	32	U	360	32	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2-Chloronaphthalene	7.6	U	73	7.6	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2-Nitroaniline	160	U	1900	160	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Dimethyl phthalate	40	U	360	40	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,6-Dinitrotoluene	38	U	360	38	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Acenaphthylene	8.3	U	73	8.3	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
3-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Acenaphthene	7.0	U	73	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,4-Dinitrophenol	430	U	1900	430	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
4-Nitrophenol	130	U	1900	130	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Dibenzofuran	36	U	360	36	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,4-Dinitrotoluene	29	U	360	29	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Diethyl phthalate	40	U	360	40	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Fluorene	9.6	U	73	9.6	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
4-Chlorophenyl phenyl ether	40	U	360	40	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
4-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
4,6-Dinitro-2-methylphenol	150	U	1900	150	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
N-Nitrosodiphenylamine	34	U	360	34	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
1,2,4,5-Tetrachlorobenzene	28	U	360	28	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
4-Bromophenyl phenyl ether	32	U	360	32	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Hexachlorobenzene	7.8	U	73	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Atrazine	35	U	360	35	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Pentachlorophenol	33	U	360	33	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Phenanthrene	12	U	73	12	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Anthracene	7.1	U	73	7.1	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Carbazole	6.7	U	73	6.7	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Di-n-butyl phthalate	46	U	360	46	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Fluoranthene	7.8	U	73	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Pyrene	7.4	U	73	7.4	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Butyl benzyl phthalate	50	U	360	50	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
3,3'-Dichlorobenzidine	38	U	360	38	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Benzo[a]anthracene	9.1	U	73	9.1	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Chrysene	8.7	U	73	8.7	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1

Client Sample ID: TCHS-S6 9.5-10
Date Collected: 06/11/14 09:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-2
Matrix: Solid
Percent Solids: 91.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**240**	**J**	730	59	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Di-n-octyl phthalate	38	U	360	38	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Benzo[b]fluoranthene	11	U	73	11	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Benzo[k]fluoranthene	15	U	73	15	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Benzo[a]pyrene	7.3	U	73	7.3	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Benzo[g,h,i]perylene	7.2	U	73	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Indeno[1,2,3-cd]pyrene	7.5	U	73	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
Dibenz(a,h)anthracene	8.1	U	73	8.1	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1
2,3,4,6-Tetrachlorophenol	23	U	360	23	ug/Kg	☼	06/18/14 03:05	06/19/14 13:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/18/14 03:05*	*06/19/14 13:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*50*		*25 - 104*	*06/18/14 03:05*	*06/19/14 13:41*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*35 - 124*	*06/18/14 03:05*	*06/19/14 13:41*	*1*
2-Fluorophenol (Surr)	*48*		*39 - 103*	*06/18/14 03:05*	*06/19/14 13:41*	*1*
2-Fluorobiphenyl	*53*		*35 - 105*	*06/18/14 03:05*	*06/19/14 13:41*	*1*
Phenol-d5 (Surr)	*51*		*25 - 105*	*06/18/14 03:05*	*06/19/14 13:41*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*06/18/14 03:05*	*06/19/14 13:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
4,4'-DDE	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
4,4'-DDT	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Aldrin	1.5	U	7.3	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
alpha-BHC	1.6	U	7.3	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
beta-BHC	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Chlordane (technical)	21	U	73	21	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
delta-BHC	1.3	U	7.3	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Dieldrin	1.3	U	7.3	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Endosulfan I	1.6	U	7.3	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Endosulfan II	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Endosulfan sulfate	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Endrin	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Endrin aldehyde	1.1	U	7.3	1.1	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Endrin ketone	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
gamma-BHC (Lindane)	1.3	U	7.3	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Heptachlor	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Heptachlor epoxide	1.6	U	7.3	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Methoxychlor	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1
Toxaphene	20	U	73	20	ug/Kg	☼	06/12/14 07:34	06/12/14 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*76 - 149*	*06/12/14 07:34*	*06/12/14 20:54*	*1*
DCB Decachlorobiphenyl	*124*		*76 - 149*	*06/12/14 07:34*	*06/12/14 20:54*	*1*
Tetrachloro-m-xylene	*114*		*72 - 136*	*06/12/14 07:34*	*06/12/14 20:54*	*1*
Tetrachloro-m-xylene	*116*		*72 - 136*	*06/12/14 07:34*	*06/12/14 20:54*	*1*

Client Sample ID: TCHS-S6 9.5-10
Date Collected: 06/11/14 09:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-2
Matrix: Solid
Percent Solids: 91.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Aroclor 1221	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Aroclor 1232	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Aroclor 1242	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Aroclor 1248	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Aroclor 1254	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Aroclor 1260	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Aroclor-1262	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Aroclor 1268	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1
Polychlorinated biphenyls, Total	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*53 - 150*	*06/12/14 07:26*	*06/13/14 02:50*	*1*
DCB Decachlorobiphenyl	*129*		*53 - 150*	*06/12/14 07:26*	*06/13/14 02:50*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.4	U	19	2.4	ug/Kg	☼	06/12/14 20:27	06/14/14 07:36	1
Silvex (2,4,5-TP)	2.0	U	19	2.0	ug/Kg	☼	06/12/14 20:27	06/14/14 07:36	1
2,4,5-T	3.7	U	19	3.7	ug/Kg	☼	06/12/14 20:27	06/14/14 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*148*		*69 - 150*	*06/12/14 20:27*	*06/14/14 07:36*	*1*
2,4-Dichlorophenylacetic acid	*140*		*69 - 150*	*06/12/14 20:27*	*06/14/14 07:36*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 16:20	1
C9-C12 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 16:20	1
C16-C21 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 16:20	1
C21-C40 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 16:20	1
C16-C21 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 16:20	1
C10-C12 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 16:20	1
C12-C16 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 16:20	1
C21-C36 Aromatic	2.2	U	2.2	2.2	mg/Kg	☼	06/12/14 12:45	06/13/14 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:20*	*1*
2-Fluorobiphenyl	*92*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:20*	*1*
2-Bromonaphthalene	*81*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:20*	*1*
1-Chlorooctadecane	*45*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.40	U	2.1	0.40	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4

Client Sample ID: TCHS-S6 9.5-10

Lab Sample ID: 460-77617-2

Date Collected: 06/11/14 09:55
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 91.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10200		41.4	22.9	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Arsenic	4.2		3.1	0.85	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Barium	37.9	J	41.4	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Beryllium	0.58		0.41	0.28	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Calcium	180	J	1040	79.3	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Cadmium	0.29	U	0.83	0.29	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Cobalt	11.1		10.4	0.93	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Chromium	13.0		2.1	0.83	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Copper	16.6		5.2	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Iron	22600		31.1	25.8	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Potassium	601	J	1040	28.6	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Magnesium	2930		1040	68.8	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Manganese	538		3.1	0.89	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Sodium	78.3	U	1040	78.3	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Nickel	18.5		8.3	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Lead	12.4		2.1	0.85	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Antimony	1.6	U	4.1	1.6	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Selenium	1.2	U	4.1	1.2	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Thallium	2.0	U	4.1	2.0	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Vanadium	15.3		10.4	0.86	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4
Zinc	47.5		6.2	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 13:36	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.017	0.012	mg/Kg	☼	06/18/14 06:30	06/18/14 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.9		1.0	1.0	%			06/13/14 14:43	1
Percent Solids	91.1		1.0	1.0	%			06/13/14 14:43	1

Client Sample ID: TCHS-S5 0-0.5

Lab Sample ID: 460-77617-3

Date Collected: 06/11/14 13:55
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 81.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,1,2,2-Tetrachloroethane	0.13	U	1.4	0.13	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,1,2-Trichloroethane	0.20	U	1.4	0.20	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,1-Dichloroethane	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,1-Dichloroethene	0.27	U	1.4	0.27	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,2,3-Trichlorobenzene	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,2,4-Trichlorobenzene	0.27	U	1.4	0.27	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,2-Dichloropropane	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,3-Dichlorobenzene	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,4-Dichlorobenzene	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,4-Dioxane	18	U	28	18	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
2-Butanone (MEK)	0.89	U	7.1	0.89	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1

Client Sample ID: TCHS-S5 0-0.5
Date Collected: 06/11/14 13:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-3
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.18	U	7.1	0.18	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
4-Methyl-2-pentanone (MIBK)	0.28	U	7.1	0.28	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Acetone	2.4	U	7.1	2.4	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Benzene	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Bromoform	0.24	U	1.4	0.24	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Bromomethane	0.61	U	1.4	0.61	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Carbon disulfide	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Carbon tetrachloride	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Chlorobenzene	0.25	U	1.4	0.25	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Chlorobromomethane	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Chlorodibromomethane	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Chloroethane	0.47	U	1.4	0.47	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Chloroform	0.34	U	1.4	0.34	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Chloromethane	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
cis-1,2-Dichloroethene	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
cis-1,3-Dichloropropene	0.20	U	1.4	0.20	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Cyclohexane	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Dichlorobromomethane	0.45	U	1.4	0.45	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Dichlorodifluoromethane	0.31	U	1.4	0.31	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Ethylbenzene	0.24	U	1.4	0.24	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Ethylene Dibromide	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Isopropylbenzene	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Methyl acetate	0.45	U	7.1	0.45	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Methyl tert-butyl ether	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Methylcyclohexane	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Methylene Chloride	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
m-Xylene & p-Xylene	0.84	U	1.4	0.84	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
o-Xylene	0.27	U	1.4	0.27	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Styrene	0.40	U	1.4	0.40	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Tetrachloroethene	0.17	U	1.4	0.17	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Toluene	0.20	U	1.4	0.20	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
trans-1,2-Dichloroethene	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
2-Methyl-2-propanol	4.4	U	14	4.4	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
trans-1,3-Dichloropropene	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Trichloroethene	0.17	U	1.4	0.17	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Trichlorofluoromethane	0.23	U	1.4	0.23	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
Vinyl chloride	0.48	U	1.4	0.48	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,2-Dichloroethane	0.25	U	1.4	0.25	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,2-Dichlorobenzene	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,2-Dibromo-3-Chloropropane	0.62	U	1.4	0.62	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1
1,1,1,2-Tetrachloroethane	0.16	U	1.4	0.16	ug/Kg	☼	06/11/14 22:51	06/20/14 12:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 22:51*	*06/20/14 12:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*	*06/11/14 22:51*	*06/20/14 12:22*	*1*
4-Bromofluorobenzene	*86*		*70 - 130*	*06/11/14 22:51*	*06/20/14 12:22*	*1*
Dibromofluoromethane (Surr)	*120*		*70 - 130*	*06/11/14 22:51*	*06/20/14 12:22*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*06/11/14 22:51*	*06/20/14 12:22*	*1*

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S5 0-0.5
Date Collected: 06/11/14 13:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-3
Matrix: Solid
Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	61	U	400	61	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Phenol	9.6	U	82	9.6	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Bis(2-chloroethyl)ether	11	U	82	11	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2-Chlorophenol	33	U	400	33	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2-Methylphenol	29	U	400	29	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,2'-oxybis[1-chloropropane]	8.8	U	82	8.8	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Acetophenone	34	U	400	34	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Methylphenol, 3 & 4	40	U	400	40	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
N-Nitrosodi-n-propylamine	9.6	U	82	9.6	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Hexachloroethane	29	U	400	29	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Nitrobenzene	34	U	820	34	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Isophorone	31	U	400	31	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2-Nitrophenol	45	U	400	45	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,4-Dimethylphenol	64	U	400	64	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Bis(2-chloroethoxy)methane	27	U	400	27	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,4-Dichlorophenol	8.2	U	82	8.2	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Naphthalene	**17**	**J**	82	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
4-Chloroaniline	33	U	400	33	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Hexachlorobutadiene	9.1	U	82	9.1	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Caprolactam	310	U	2100	310	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
4-Chloro-3-methylphenol	38	U	400	38	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2-Methylnaphthalene	**13**	**J**	82	7.3	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Hexachlorocyclopentadiene	44	U	400	44	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,4,5-Trichlorophenol	44	U	400	44	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,4,6-Trichlorophenol	61	U	400	61	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
1,1'-Biphenyl	36	U	400	36	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2-Chloronaphthalene	8.5	U	82	8.5	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2-Nitroaniline	180	U	2100	180	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Dimethyl phthalate	44	U	400	44	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,6-Dinitrotoluene	42	U	400	42	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Acenaphthylene	**73**	**J**	82	9.3	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
3-Nitroaniline	170	U	2100	170	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Acenaphthene	**16**	**J**	82	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,4-Dinitrophenol	490	U	2100	490	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
4-Nitrophenol	150	U	2100	150	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Dibenzofuran	40	U	400	40	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,4-Dinitrotoluene	33	U	400	33	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Diethyl phthalate	45	U	400	45	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Fluorene	**19**	**J**	82	11	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
4-Chlorophenyl phenyl ether	45	U	400	45	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
4-Nitroaniline	170	U	2100	170	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
4,6-Dinitro-2-methylphenol	160	U	2100	160	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
N-Nitrosodiphenylamine	38	U	400	38	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
1,2,4,5-Tetrachlorobenzene	31	U	400	31	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
4-Bromophenyl phenyl ether	36	U	400	36	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Hexachlorobenzene	8.7	U	82	8.7	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Atrazine	40	U	400	40	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Pentachlorophenol	36	U	400	36	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Phenanthrene	**270**		82	13	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1

Client Sample ID: TCHS-S5 0-0.5
Date Collected: 06/11/14 13:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-3
Matrix: Solid
Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**76**	**J**	82	8.0	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Carbazole	**32**	**J**	82	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Di-n-butyl phthalate	51	U	400	51	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Fluoranthene	**600**		82	8.7	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Pyrene	**520**		82	8.3	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Butyl benzyl phthalate	**64**	**J**	400	56	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
3,3'-Dichlorobenzidine	43	U	400	43	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Benzo[a]anthracene	**290**		82	10	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Chrysene	**390**		82	9.7	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Bis(2-ethylhexyl) phthalate	**450**	**J**	820	66	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Di-n-octyl phthalate	43	U	400	43	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Benzo[b]fluoranthene	**470**		82	13	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Benzo[k]fluoranthene	**130**		82	16	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Benzo[a]pyrene	**300**		82	8.2	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Benzo[g,h,i]perylene	**330**		82	8.1	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Indeno[1,2,3-cd]pyrene	**250**		82	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
Dibenz(a,h)anthracene	**79**	**J**	82	9.1	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1
2,3,4,6-Tetrachlorophenol	26	U	400	26	ug/Kg	☼	06/18/14 03:05	06/19/14 14:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1800*	*J*	*ug/Kg*	☼	*16.35*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*650*	*J*	*ug/Kg*	☼	*16.74*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*820*	*J*	*ug/Kg*	☼	*16.81*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*440*	*J*	*ug/Kg*	☼	*17.05*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*740*	*J*	*ug/Kg*	☼	*17.76*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown Straight Chain Alkane	*1800*	*J*	*ug/Kg*	☼	*18.16*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*4800*	*J*	*ug/Kg*	☼	*18.78*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*2500*	*J*	*ug/Kg*	☼	*19.41*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*860*	*J*	*ug/Kg*	☼	*19.88*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*580*	*J*	*ug/Kg*	☼	*20.15*		*06/18/14 03:05*	*06/19/14 14:07*	*1*
Unknown	*820*	*J*	*ug/Kg*	☼	*20.22*		*06/18/14 03:05*	*06/19/14 14:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*58*		*25 - 104*	*06/18/14 03:05*	*06/19/14 14:07*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*06/18/14 03:05*	*06/19/14 14:07*	*1*
2-Fluorophenol (Surr)	*53*		*39 - 103*	*06/18/14 03:05*	*06/19/14 14:07*	*1*
2-Fluorobiphenyl	*63*		*35 - 105*	*06/18/14 03:05*	*06/19/14 14:07*	*1*
Phenol-d5 (Surr)	*55*		*25 - 105*	*06/18/14 03:05*	*06/19/14 14:07*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*06/18/14 03:05*	*06/19/14 14:07*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.6	U	8.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
4,4'-DDE	1.6	U	8.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
4,4'-DDT	2.0	U	8.2	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Aldrin	1.7	U	8.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
alpha-BHC	1.8	U	8.2	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
beta-BHC	2.0	U	8.2	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Chlordane (technical)	23	U	82	23	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
delta-BHC	1.5	U	8.2	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1

Client Sample ID: TCHS-S5 0-0.5
Date Collected: 06/11/14 13:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-3
Matrix: Solid
Percent Solids: 81.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	1.5	U	8.2	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Endosulfan I	1.8	U	8.2	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Endosulfan II	1.6	U	8.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Endosulfan sulfate	1.6	U	8.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Endrin	2.0	U	8.2	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Endrin aldehyde	1.2	U	8.2	1.2	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Endrin ketone	1.6	U	8.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
gamma-BHC (Lindane)	1.5	U	8.2	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Heptachlor	2.0	U	8.2	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Heptachlor epoxide	1.8	U	8.2	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Methoxychlor	2.0	U	8.2	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1
Toxaphene	22	U	82	22	ug/Kg	☼	06/12/14 07:34	06/12/14 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*76 - 149*	*06/12/14 07:34*	*06/12/14 21:10*	*1*
DCB Decachlorobiphenyl	*128*		*76 - 149*	*06/12/14 07:34*	*06/12/14 21:10*	*1*
Tetrachloro-m-xylene	*109*		*72 - 136*	*06/12/14 07:34*	*06/12/14 21:10*	*1*
Tetrachloro-m-xylene	*111*		*72 - 136*	*06/12/14 07:34*	*06/12/14 21:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	18	U	82	18	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Aroclor 1221	18	U	82	18	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Aroclor 1232	18	U	82	18	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Aroclor 1242	18	U	82	18	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Aroclor 1248	18	U	82	18	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Aroclor 1254	23	U	82	23	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Aroclor 1260	23	U	82	23	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Aroclor-1262	23	U	82	23	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Aroclor 1268	23	U	82	23	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1
Polychlorinated biphenyls, Total	23	U	82	23	ug/Kg	☼	06/12/14 07:26	06/13/14 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*134*		*53 - 150*	*06/12/14 07:26*	*06/13/14 03:06*	*1*
DCB Decachlorobiphenyl	*131*		*53 - 150*	*06/12/14 07:26*	*06/13/14 03:06*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.6	U	21	2.6	ug/Kg	☼	06/12/14 20:27	06/14/14 02:55	1
Silvex (2,4,5-TP)	2.3	U	21	2.3	ug/Kg	☼	06/12/14 20:27	06/14/14 02:55	1
2,4,5-T	4.2	U	21	4.2	ug/Kg	☼	06/12/14 20:27	06/14/14 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*147*		*69 - 150*	*06/12/14 20:27*	*06/14/14 02:55*	*1*
2,4-Dichlorophenylacetic acid	*149*		*69 - 150*	*06/12/14 20:27*	*06/14/14 02:55*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	**61**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	**76**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	**140**		2.0	2.0	mg/Kg			06/17/14 08:56	1

Client Sample ID: TCHS-S5 0-0.5

Date Collected: 06/11/14 13:55
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-3

Matrix: Solid
Percent Solids: 81.8

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	4.4		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:35	1
C9-C12 Aliphatics	10		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:35	1
C16-C21 Aliphatics	5.2		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:35	1
C21-C40 Aliphatics	57		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:35	1
C16-C21 Aromatics	8.3		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:35	1
C10-C12 Aromatics	5.2		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:35	1
C12-C16 Aromatics	3.3		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:35	1
C21-C36 Aromatic	44		2.4	2.4	mg/Kg	☼	06/12/14 12:45	06/13/14 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:35*	*1*
2-Fluorobiphenyl	*91*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:35*	*1*
2-Bromonaphthalene	*79*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:35*	*1*
1-Chlorooctadecane	*44*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.53	J	2.2	0.43	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Aluminum	8210		44.1	24.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Arsenic	52.8		3.3	0.90	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Barium	79.3		44.1	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Beryllium	0.43	J	0.44	0.30	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Calcium	678	J	1100	84.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Cadmium	0.31	U	0.88	0.31	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Cobalt	5.9	J	11.0	0.99	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Chromium	17.5		2.2	0.88	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Copper	81.7		5.5	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Iron	15900		33.1	27.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Potassium	421	J	1100	30.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Magnesium	1680		1100	73.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Manganese	291		3.3	0.95	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Sodium	83.3	U	1100	83.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Nickel	13.4		8.8	2.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Lead	491		2.2	0.90	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Antimony	1.7	U	4.4	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Selenium	1.3	U	4.4	1.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Thallium	2.2	U	4.4	2.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Vanadium	21.6		11.0	0.91	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4
Zinc	143		6.6	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:04	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.51		0.019	0.014	mg/Kg	☼	06/18/14 06:30	06/18/14 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18.2		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	81.8		1.0	1.0	%			06/13/14 11:44	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S5 9.5-10
Date Collected: 06/11/14 13:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-4
Matrix: Solid
Percent Solids: 93.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,1,2,2-Tetrachloroethane	0.12	U	1.3	0.12	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.14	U	1.3	0.14	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,1,2-Trichloroethane	0.18	U	1.3	0.18	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,1-Dichloroethane	0.14	U	1.3	0.14	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,1-Dichloroethene	0.25	U	1.3	0.25	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,2,3-Trichlorobenzene	0.21	U	1.3	0.21	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,2,4-Trichlorobenzene	0.25	U	1.3	0.25	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,2-Dichloropropane	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,3-Dichlorobenzene	0.21	U	1.3	0.21	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,4-Dichlorobenzene	0.14	U	1.3	0.14	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,4-Dioxane	17	U	26	17	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
2-Butanone (MEK)	0.82	U	6.5	0.82	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
2-Hexanone	0.17	U	6.5	0.17	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
4-Methyl-2-pentanone (MIBK)	0.26	U	6.5	0.26	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Acetone	**11**	**B**	6.5	2.2	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Benzene	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Bromoform	0.22	U	1.3	0.22	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Bromomethane	0.56	U	1.3	0.56	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Carbon disulfide	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Carbon tetrachloride	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Chlorobenzene	0.23	U	1.3	0.23	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Chlorobromomethane	0.14	U	1.3	0.14	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Chlorodibromomethane	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Chloroethane	0.43	U	1.3	0.43	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Chloroform	0.31	U	1.3	0.31	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Chloromethane	0.21	U	1.3	0.21	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
cis-1,2-Dichloroethene	0.14	U	1.3	0.14	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
cis-1,3-Dichloropropene	0.18	U	1.3	0.18	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Cyclohexane	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Dichlorobromomethane	0.42	U	1.3	0.42	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Dichlorodifluoromethane	0.29	U	1.3	0.29	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Ethylbenzene	0.22	U	1.3	0.22	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Ethylene Dibromide	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Isopropylbenzene	0.14	U	1.3	0.14	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Methyl acetate	0.42	U	6.5	0.42	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Methyl tert-butyl ether	0.14	U	1.3	0.14	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Methylcyclohexane	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Methylene Chloride	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
m-Xylene & p-Xylene	0.77	U	1.3	0.77	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
o-Xylene	0.25	U	1.3	0.25	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Styrene	0.36	U	1.3	0.36	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Tetrachloroethene	0.16	U	1.3	0.16	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Toluene	0.18	U	1.3	0.18	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
trans-1,2-Dichloroethene	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
2-Methyl-2-propanol	4.0	U	13	4.0	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
trans-1,3-Dichloropropene	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Trichloroethene	0.16	U	1.3	0.16	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
Trichlorofluoromethane	0.21	U	1.3	0.21	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1

Client Sample ID: TCHS-S5 9.5-10
Date Collected: 06/11/14 13:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-4
Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.44	U	1.3	0.44	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,2-Dichloroethane	0.23	U	1.3	0.23	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,2-Dichlorobenzene	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,2-Dibromo-3-Chloropropane	0.57	U	1.3	0.57	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1
1,1,1,2-Tetrachloroethane	0.14	U	1.3	0.14	ug/Kg	☼	06/11/14 22:56	06/20/14 12:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 22:56*	*06/20/14 12:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*06/11/14 22:56*	*06/20/14 12:46*	*1*
4-Bromofluorobenzene	*84*		*70 - 130*	*06/11/14 22:56*	*06/20/14 12:46*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*06/11/14 22:56*	*06/20/14 12:46*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*	*06/11/14 22:56*	*06/20/14 12:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	54	U	350	54	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Phenol	8.4	U	72	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Bis(2-chloroethyl)ether	9.6	U	72	9.6	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2-Chlorophenol	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2-Methylphenol	25	U	350	25	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2,2'-oxybis[1-chloropropane]	7.7	U	72	7.7	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Acetophenone	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Methylphenol, 3 & 4	35	U	350	35	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
N-Nitrosodi-n-propylamine	8.4	U	72	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Hexachloroethane	26	U	350	26	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Nitrobenzene	30	U	720	30	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Isophorone	27	U	350	27	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2-Nitrophenol	39	U	350	39	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2,4-Dimethylphenol	56	U	350	56	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Bis(2-chloroethoxy)methane	23	U	350	23	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2,4-Dichlorophenol	7.2	U	72	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Naphthalene	6.2	U	72	6.2	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
4-Chloroaniline	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Hexachlorobutadiene	8.0	U	72	8.0	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Caprolactam	270	U	1800	270	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
4-Chloro-3-methylphenol	33	U	350	33	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2-Methylnaphthalene	6.4	U	72	6.4	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Hexachlorocyclopentadiene	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2,4,5-Trichlorophenol	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2,4,6-Trichlorophenol	53	U	350	53	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
1,1'-Biphenyl	32	U	350	32	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2-Chloronaphthalene	7.5	U	72	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2-Nitroaniline	160	U	1800	160	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Dimethyl phthalate	39	U	350	39	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2,6-Dinitrotoluene	37	U	350	37	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Acenaphthylene	8.2	U	72	8.2	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
3-Nitroaniline	150	U	1800	150	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Acenaphthene	6.9	U	72	6.9	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1

Client Sample ID: TCHS-S5 9.5-10
Date Collected: 06/11/14 13:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-4
Matrix: Solid
Percent Solids: 93.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	430	U	1800	430	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
4-Nitrophenol	130	U	1800	130	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Dibenzofuran	35	U	350	35	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2,4-Dinitrotoluene	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Diethyl phthalate	39	U	350	39	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Fluorene	9.4	U	72	9.4	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
4-Chlorophenyl phenyl ether	40	U	350	40	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
4-Nitroaniline	140	U	1800	140	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
4,6-Dinitro-2-methylphenol	140	U	1800	140	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
N-Nitrosodiphenylamine	33	U	350	33	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
1,2,4,5-Tetrachlorobenzene	27	U	350	27	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
4-Bromophenyl phenyl ether	31	U	350	31	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Hexachlorobenzene	7.6	U	72	7.6	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Atrazine	35	U	350	35	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Pentachlorophenol	32	U	350	32	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Phenanthrene	11	U	72	11	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Anthracene	7.0	U	72	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Carbazole	6.6	U	72	6.6	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Di-n-butyl phthalate	45	U	350	45	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Fluoranthene	7.6	U	72	7.6	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Pyrene	7.2	U	72	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Butyl benzyl phthalate	49	U	350	49	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
3,3'-Dichlorobenzidine	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Benzo[a]anthracene	8.9	U	72	8.9	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Chrysene	8.5	U	72	8.5	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Bis(2-ethylhexyl) phthalate	**290**	**J**	720	58	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Di-n-octyl phthalate	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Benzo[b]fluoranthene	11	U	72	11	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Benzo[k]fluoranthene	14	U	72	14	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Benzo[a]pyrene	7.1	U	72	7.1	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Benzo[g,h,i]perylene	7.1	U	72	7.1	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Indeno[1,2,3-cd]pyrene	7.4	U	72	7.4	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
Dibenz(a,h)anthracene	7.9	U	72	7.9	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1
2,3,4,6-Tetrachlorophenol	23	U	350	23	ug/Kg	☼	06/18/14 03:05	06/19/14 14:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*260*	*J*	*ug/Kg*	☼	*10.45*		*06/18/14 03:05*	*06/19/14 14:34*	*1*
Unknown	*160*	*J*	*ug/Kg*	☼	*14.45*		*06/18/14 03:05*	*06/19/14 14:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*25 - 104*	*06/18/14 03:05*	*06/19/14 14:34*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*06/18/14 03:05*	*06/19/14 14:34*	*1*
2-Fluorophenol (Surr)	*49*		*39 - 103*	*06/18/14 03:05*	*06/19/14 14:34*	*1*
2-Fluorobiphenyl	*55*		*35 - 105*	*06/18/14 03:05*	*06/19/14 14:34*	*1*
Phenol-d5 (Surr)	*51*		*25 - 105*	*06/18/14 03:05*	*06/19/14 14:34*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*06/18/14 03:05*	*06/19/14 14:34*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1

Client Sample ID: TCHS-S5 9.5-10
Date Collected: 06/11/14 13:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-4
Matrix: Solid
Percent Solids: 93.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
4,4'-DDT	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Aldrin	1.5	U	7.2	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
alpha-BHC	1.6	U	7.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
beta-BHC	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Chlordane (technical)	20	U	72	20	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
delta-BHC	1.3	U	7.2	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Dieldrin	1.3	U	7.2	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Endosulfan I	1.6	U	7.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Endosulfan II	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Endosulfan sulfate	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Endrin	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Endrin aldehyde	1.1	U	7.2	1.1	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Endrin ketone	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
gamma-BHC (Lindane)	1.3	U	7.2	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Heptachlor	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Heptachlor epoxide	1.6	U	7.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Methoxychlor	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1
Toxaphene	19	U	72	19	ug/Kg	☼	06/12/14 07:34	06/12/14 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*76 - 149*	*06/12/14 07:34*	*06/12/14 21:25*	*1*
DCB Decachlorobiphenyl	*117*		*76 - 149*	*06/12/14 07:34*	*06/12/14 21:25*	*1*
Tetrachloro-m-xylene	*106*		*72 - 136*	*06/12/14 07:34*	*06/12/14 21:25*	*1*
Tetrachloro-m-xylene	*109*		*72 - 136*	*06/12/14 07:34*	*06/12/14 21:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Aroclor 1221	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Aroclor 1232	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Aroclor 1242	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Aroclor 1248	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Aroclor 1254	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Aroclor 1260	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Aroclor-1262	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Aroclor 1268	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1
Polychlorinated biphenyls, Total	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*128*		*53 - 150*	*06/12/14 07:26*	*06/13/14 03:22*	*1*
DCB Decachlorobiphenyl	*128*		*53 - 150*	*06/12/14 07:26*	*06/13/14 03:22*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.3	U	18	2.3	ug/Kg	☼	06/12/14 20:27	06/14/14 04:43	1
Silvex (2,4,5-TP)	2.0	U	18	2.0	ug/Kg	☼	06/12/14 20:27	06/14/14 04:43	1
2,4,5-T	3.6	U	18	3.6	ug/Kg	☼	06/12/14 20:27	06/14/14 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*142*		*69 - 150*	*06/12/14 20:27*	*06/14/14 04:43*	*1*

Client Sample ID: TCHS-S5 9.5-10
Date Collected: 06/11/14 13:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-4
Matrix: Solid
Percent Solids: 93.4

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*143*		*69 - 150*	*06/12/14 20:27*	*06/14/14 04:43*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 16:50	1
C9-C12 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 16:50	1
C16-C21 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 16:50	1
C21-C40 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 16:50	1
C16-C21 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 16:50	1
C10-C12 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 16:50	1
C12-C16 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 16:50	1
C21-C36 Aromatic	2.1	U	2.1	2.1	mg/Kg	☼	06/12/14 12:45	06/13/14 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*74*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:50*	*1*
2-Fluorobiphenyl	*91*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:50*	*1*
2-Bromonaphthalene	*78*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:50*	*1*
1-Chlorooctadecane	*44*		*40 - 140*	*06/12/14 12:45*	*06/13/14 16:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.38	U	2.0	0.38	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Aluminum	**8840**		39.3	21.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Arsenic	**4.5**		2.9	0.80	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Barium	**43.2**		39.3	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Beryllium	**0.66**		0.39	0.27	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Calcium	**149**	**J**	982	75.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Cadmium	0.28	U	0.79	0.28	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Cobalt	**10.0**		9.8	0.89	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Chromium	**11.3**		2.0	0.79	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Copper	**15.7**		4.9	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Iron	**21700**		29.5	24.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Potassium	**572**	**J**	982	27.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Magnesium	**2590**		982	65.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Manganese	**495**		2.9	0.85	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Sodium	74.2	U	982	74.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Nickel	**17.2**		7.9	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Lead	**13.2**		2.0	0.81	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Antimony	1.5	U	3.9	1.5	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Selenium	1.1	U	3.9	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Thallium	1.9	U	3.9	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Vanadium	**14.8**		9.8	0.81	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4
Zinc	**45.5**		5.9	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:08	4

Client Sample ID: TCHS-S5 9.5-10

Lab Sample ID: 460-77617-4

Date Collected: 06/11/14 13:25
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 93.4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.017	0.012	mg/Kg	☼	06/18/14 06:30	06/18/14 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.6		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	93.4		1.0	1.0	%			06/13/14 11:44	1

Client Sample ID: TCHS-S3 0-0.5

Lab Sample ID: 460-77617-5

Date Collected: 06/11/14 15:25
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 77.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,1,2,2-Tetrachloroethane	0.12	U	1.3	0.12	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,1,2-Trichloroethane	0.19	U	1.3	0.19	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,1-Dichloroethane	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,1-Dichloroethene	0.25	U	1.3	0.25	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,2,3-Trichlorobenzene	0.21	U	1.3	0.21	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,2,4-Trichlorobenzene	0.25	U	1.3	0.25	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,2-Dichloropropane	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,3-Dichlorobenzene	0.21	U	1.3	0.21	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,4-Dichlorobenzene	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,4-Dioxane	17	U	27	17	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
2-Butanone (MEK)	0.84	U	6.7	0.84	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
2-Hexanone	0.17	U	6.7	0.17	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
4-Methyl-2-pentanone (MIBK)	0.27	U	6.7	0.27	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Acetone	2.2	U	6.7	2.2	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Benzene	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Bromoform	0.23	U	1.3	0.23	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Bromomethane	0.57	U	1.3	0.57	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Carbon disulfide	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Carbon tetrachloride	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Chlorobenzene	0.24	U	1.3	0.24	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Chlorobromomethane	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Chlorodibromomethane	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Chloroethane	0.44	U	1.3	0.44	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Chloroform	0.32	U	1.3	0.32	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Chloromethane	0.21	U	1.3	0.21	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
cis-1,2-Dichloroethene	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
cis-1,3-Dichloropropene	0.19	U	1.3	0.19	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Cyclohexane	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Dichlorobromomethane	0.43	U	1.3	0.43	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Dichlorodifluoromethane	0.29	U	1.3	0.29	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Ethylbenzene	0.23	U	1.3	0.23	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Ethylene Dibromide	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Isopropylbenzene	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Methyl acetate	0.43	U	6.7	0.43	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Methyl tert-butyl ether	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1

Client Sample ID: TCHS-S3 0-0.5
Date Collected: 06/11/14 15:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-5
Matrix: Solid
Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Methylene Chloride	0.20	U	1.3	0.20	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
m-Xylene & p-Xylene	0.79	U	1.3	0.79	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
o-Xylene	0.25	U	1.3	0.25	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Styrene	0.37	U	1.3	0.37	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Tetrachloroethene	0.16	U	1.3	0.16	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Toluene	0.19	U	1.3	0.19	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
trans-1,2-Dichloroethene	0.17	U	1.3	0.17	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
2-Methyl-2-propanol	4.1	U	13	4.1	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
trans-1,3-Dichloropropene	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Trichloroethene	0.16	U	1.3	0.16	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Trichlorofluoromethane	0.21	U	1.3	0.21	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
Vinyl chloride	0.45	U	1.3	0.45	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,2-Dichloroethane	0.24	U	1.3	0.24	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,2-Dichlorobenzene	0.13	U	1.3	0.13	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,2-Dibromo-3-Chloropropane	0.59	U	1.3	0.59	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1
1,1,1,2-Tetrachloroethane	0.15	U	1.3	0.15	ug/Kg	☼	06/11/14 23:00	06/20/14 13:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 23:00*	*06/20/14 13:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*06/11/14 23:00*	*06/20/14 13:10*	*1*
4-Bromofluorobenzene	*85*		*70 - 130*	*06/11/14 23:00*	*06/20/14 13:10*	*1*
Dibromofluoromethane (Surr)	*120*		*70 - 130*	*06/11/14 23:00*	*06/20/14 13:10*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*06/11/14 23:00*	*06/20/14 13:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	64	U	420	64	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Phenol	10	U	86	10	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Bis(2-chloroethyl)ether	11	U	86	11	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2-Chlorophenol	35	U	420	35	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2-Methylphenol	30	U	420	30	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,2'-oxybis[1-chloropropane]	9.2	U	86	9.2	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Acetophenone	35	U	420	35	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Methylphenol, 3 & 4	42	U	420	42	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
N-Nitrosodi-n-propylamine	10	U	86	10	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Hexachloroethane	31	U	420	31	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Nitrobenzene	35	U	860	35	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Isophorone	32	U	420	32	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2-Nitrophenol	47	U	420	47	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,4-Dimethylphenol	67	U	420	67	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Bis(2-chloroethoxy)methane	28	U	420	28	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,4-Dichlorophenol	8.5	U	86	8.5	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Naphthalene	**39**	**J**	86	7.3	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
4-Chloroaniline	34	U	420	34	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Hexachlorobutadiene	9.5	U	86	9.5	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Caprolactam	320	U	2200	320	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
4-Chloro-3-methylphenol	39	U	420	39	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S3 0-0.5
Date Collected: 06/11/14 15:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-5
Matrix: Solid
Percent Solids: 77.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**33**	**J**	86	7.7	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Hexachlorocyclopentadiene	46	U	420	46	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,4,5-Trichlorophenol	45	U	420	45	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,4,6-Trichlorophenol	64	U	420	64	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
1,1'-Biphenyl	38	U	420	38	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2-Chloronaphthalene	8.9	U	86	8.9	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2-Nitroaniline	190	U	2200	190	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Dimethyl phthalate	46	U	420	46	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,6-Dinitrotoluene	44	U	420	44	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Acenaphthylene	**320**		86	9.8	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
3-Nitroaniline	180	U	2200	180	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Acenaphthene	**54**	**J**	86	8.2	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,4-Dinitrophenol	510	U	2200	510	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
4-Nitrophenol	160	U	2200	160	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Dibenzofuran	42	U	420	42	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,4-Dinitrotoluene	34	U	420	34	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Diethyl phthalate	47	U	420	47	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Fluorene	**87**		86	11	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
4-Chlorophenyl phenyl ether	47	U	420	47	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
4-Nitroaniline	170	U	2200	170	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
4,6-Dinitro-2-methylphenol	170	U	2200	170	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
N-Nitrosodiphenylamine	39	U	420	39	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
1,2,4,5-Tetrachlorobenzene	32	U	420	32	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
4-Bromophenyl phenyl ether	37	U	420	37	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Hexachlorobenzene	9.1	U	86	9.1	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Atrazine	41	U	420	41	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Pentachlorophenol	38	U	420	38	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Phenanthrene	**1300**		86	14	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Anthracene	**330**		86	8.3	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Carbazole	**150**		86	7.9	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Di-n-butyl phthalate	**55**	**J**	420	53	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Fluoranthene	**2700**		86	9.1	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Pyrene	**2100**		86	8.6	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Butyl benzyl phthalate	**120**	**J**	420	58	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
3,3'-Dichlorobenzidine	45	U	420	45	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Benzo[a]anthracene	**1100**		86	11	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Chrysene	**1400**		86	10	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Bis(2-ethylhexyl) phthalate	**960**		860	69	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Di-n-octyl phthalate	45	U	420	45	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Benzo[b]fluoranthene	**1500**		86	13	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Benzo[k]fluoranthene	**620**		86	17	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Benzo[a]pyrene	**1200**		86	8.5	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Benzo[g,h,i]perylene	**1100**		86	8.5	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Indeno[1,2,3-cd]pyrene	**930**		86	8.8	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
Dibenz(a,h)anthracene	**240**		86	9.5	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1
2,3,4,6-Tetrachlorophenol	27	U	420	27	ug/Kg	☼	06/18/14 03:05	06/20/14 14:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2700*	*J*	*ug/Kg*	☼	*16.39*		*06/18/14 03:05*	*06/20/14 14:04*	*1*
Unknown Straight Chain Alkane	*980*	*J*	*ug/Kg*	☼	*16.79*		*06/18/14 03:05*	*06/20/14 14:04*	*1*

Client Sample ID: TCHS-S3 0-0.5
Date Collected: 06/11/14 15:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-5
Matrix: Solid
Percent Solids: 77.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	970	J	ug/Kg	☼	17.11		06/18/14 03:05	06/20/14 14:04	1
Unknown	800	J	ug/Kg	☼	17.81		06/18/14 03:05	06/20/14 14:04	1
Unknown Straight Chain Alkane	1900	J	ug/Kg	☼	18.21		06/18/14 03:05	06/20/14 14:04	1
Unknown	2800	J	ug/Kg	☼	19.48		06/18/14 03:05	06/20/14 14:04	1
Unknown	810	J	ug/Kg	☼	19.96		06/18/14 03:05	06/20/14 14:04	1
Unknown	2800	J	ug/Kg	☼	20.22		06/18/14 03:05	06/20/14 14:04	1
Unknown	5200	J	ug/Kg	☼	20.29		06/18/14 03:05	06/20/14 14:04	1
Unknown	1400	J	ug/Kg	☼	20.71		06/18/14 03:05	06/20/14 14:04	1
Unknown	2100	J	ug/Kg	☼	21.29		06/18/14 03:05	06/20/14 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		25 - 104	06/18/14 03:05	06/20/14 14:04	1
2,4,6-Tribromophenol (Surr)	83		35 - 124	06/18/14 03:05	06/20/14 14:04	1
2-Fluorophenol (Surr)	59		39 - 103	06/18/14 03:05	06/20/14 14:04	1
2-Fluorobiphenyl	74		35 - 105	06/18/14 03:05	06/20/14 14:04	1
Phenol-d5 (Surr)	64		25 - 105	06/18/14 03:05	06/20/14 14:04	1
Terphenyl-d14 (Surr)	68		25 - 127	06/18/14 03:05	06/20/14 14:04	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.7	U	8.6	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
4,4'-DDE	1.7	U	8.6	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
4,4'-DDT	2.0	U	8.6	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Aldrin	1.8	U	8.6	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
alpha-BHC	1.9	U	8.6	1.9	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
beta-BHC	2.0	U	8.6	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Chlordane (technical)	24	U	86	24	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
delta-BHC	1.5	U	8.6	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Dieldrin	1.5	U	8.6	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Endosulfan I	1.9	U	8.6	1.9	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Endosulfan II	1.7	U	8.6	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Endosulfan sulfate	1.7	U	8.6	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Endrin	2.0	U	8.6	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Endrin aldehyde	1.3	U	8.6	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Endrin ketone	1.7	U	8.6	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
gamma-BHC (Lindane)	1.5	U	8.6	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Heptachlor	2.0	U	8.6	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Heptachlor epoxide	1.9	U	8.6	1.9	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Methoxychlor	2.0	U	8.6	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1
Toxaphene	23	U	86	23	ug/Kg	☼	06/12/14 07:34	06/12/14 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	111		76 - 149	06/12/14 07:34	06/12/14 21:41	1
DCB Decachlorobiphenyl	124		76 - 149	06/12/14 07:34	06/12/14 21:41	1
Tetrachloro-m-xylene	110		72 - 136	06/12/14 07:34	06/12/14 21:41	1
Tetrachloro-m-xylene	113		72 - 136	06/12/14 07:34	06/12/14 21:41	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	19	U	86	19	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1

Client Sample ID: TCHS-S3 0-0.5
Date Collected: 06/11/14 15:25
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-5
Matrix: Solid
Percent Solids: 77.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	19	U	86	19	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1
Aroclor 1232	19	U	86	19	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1
Aroclor 1242	19	U	86	19	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1
Aroclor 1248	19	U	86	19	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1
Aroclor 1254	24	U	86	24	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1
Aroclor 1260	24	U	86	24	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1
Aroclor-1262	24	U	86	24	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1
Aroclor 1268	24	U	86	24	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1
Polychlorinated biphenyls, Total	24	U	86	24	ug/Kg	☼	06/12/14 07:26	06/13/14 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*125*		*53 - 150*	*06/12/14 07:26*	*06/13/14 03:38*	*1*
DCB Decachlorobiphenyl	*123*		*53 - 150*	*06/12/14 07:26*	*06/13/14 03:38*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.8	U	22	2.8	ug/Kg	☼	06/12/14 20:27	06/14/14 03:17	1
Silvex (2,4,5-TP)	2.4	U	22	2.4	ug/Kg	☼	06/12/14 20:27	06/14/14 03:17	1
2,4,5-T	4.4	U	22	4.4	ug/Kg	☼	06/12/14 20:27	06/14/14 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*137*		*69 - 150*	*06/12/14 20:27*	*06/14/14 03:17*	*1*
2,4-Dichlorophenylacetic acid	*138*		*69 - 150*	*06/12/14 20:27*	*06/14/14 03:17*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	**100**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total Aliphatics	**66**		2.0	2.0	mg/Kg			06/17/14 08:56	1
Total EPH	**170**		2.0	2.0	mg/Kg			06/17/14 08:56	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	**4.7**		2.6	2.6	mg/Kg	☼	06/12/14 12:45	06/16/14 09:30	1
C9-C12 Aliphatics	**20**		2.6	2.6	mg/Kg	☼	06/12/14 12:45	06/16/14 09:30	1
C16-C21 Aliphatics	**4.3**		2.6	2.6	mg/Kg	☼	06/12/14 12:45	06/16/14 09:30	1
C21-C40 Aliphatics	**38**		2.6	2.6	mg/Kg	☼	06/12/14 12:45	06/16/14 09:30	1
C16-C21 Aromatics	**14**		2.6	2.6	mg/Kg	☼	06/12/14 12:45	06/13/14 17:05	1
C10-C12 Aromatics	**7.0**		2.6	2.6	mg/Kg	☼	06/12/14 12:45	06/13/14 17:05	1
C12-C16 Aromatics	**4.3**		2.6	2.6	mg/Kg	☼	06/12/14 12:45	06/13/14 17:05	1
C21-C36 Aromatic	**79**		2.6	2.6	mg/Kg	☼	06/12/14 12:45	06/13/14 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*40 - 140*	*06/12/14 12:45*	*06/13/14 17:05*	*1*
2-Fluorobiphenyl	*98*		*40 - 140*	*06/12/14 12:45*	*06/13/14 17:05*	*1*
2-Bromonaphthalene	*88*		*40 - 140*	*06/12/14 12:45*	*06/13/14 17:05*	*1*
1-Chlorooctadecane	*52*		*40 - 140*	*06/12/14 12:45*	*06/16/14 09:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.82**	**J**	2.5	0.48	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Aluminum	**6700**		49.9	27.6	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4

Client Sample ID: TCHS-S3 0-0.5

Lab Sample ID: 460-77617-5

Date Collected: 06/11/14 15:25
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 77.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**26.8**		3.7	1.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Barium	**89.3**		49.9	2.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Beryllium	**0.37**	**J**	0.50	0.34	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Calcium	**1350**		1250	95.5	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Cadmium	0.35	U	1.0	0.35	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Cobalt	**5.2**	**J**	12.5	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Chromium	**23.9**		2.5	1.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Copper	**103**		6.2	2.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Iron	**15300**		37.4	31.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Potassium	**362**	**J**	1250	34.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Magnesium	**1560**		1250	82.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Manganese	**232**		3.7	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Sodium	94.3	U	1250	94.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Nickel	**14.2**		10	2.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Lead	**541**		2.5	1.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Antimony	1.9	U	5.0	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Selenium	1.4	U	5.0	1.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Thallium	2.4	U	5.0	2.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Vanadium	**29.0**		12.5	1.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4
Zinc	**157**		7.5	2.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:11	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.77**		0.021	0.015	mg/Kg	☼	06/18/14 06:30	06/18/14 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22.2**		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	**77.8**		1.0	1.0	%			06/13/14 11:44	1

Client Sample ID: TCHS-S3-9.5-10

Lab Sample ID: 460-77617-6

Date Collected: 06/11/14 14:50
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,1,2,2-Tetrachloroethane	0.12	U	1.4	0.12	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,1,2-Trichloroethane	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,1-Dichloroethane	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,1-Dichloroethene	0.26	U	1.4	0.26	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,2,3-Trichlorobenzene	0.22	U	1.4	0.22	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,2,4-Trichlorobenzene	0.26	U	1.4	0.26	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,2-Dichloropropane	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,3-Dichlorobenzene	0.22	U	1.4	0.22	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,4-Dichlorobenzene	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,4-Dioxane	18	U	28	18	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
2-Butanone (MEK)	0.87	U	6.9	0.87	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
2-Hexanone	0.18	U	6.9	0.18	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1

Client Sample ID: TCHS-S3-9.5-10
Date Collected: 06/11/14 14:50
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-6
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.28	U	6.9	0.28	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Acetone	**11**	**B**	6.9	2.3	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Benzene	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Bromoform	0.24	U	1.4	0.24	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Bromomethane	0.60	U	1.4	0.60	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Carbon disulfide	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Carbon tetrachloride	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Chlorobenzene	0.25	U	1.4	0.25	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Chlorobromomethane	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Chlorodibromomethane	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Chloroethane	0.46	U	1.4	0.46	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Chloroform	0.33	U	1.4	0.33	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Chloromethane	0.22	U	1.4	0.22	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
cis-1,2-Dichloroethene	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
cis-1,3-Dichloropropene	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Cyclohexane	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Dichlorobromomethane	0.44	U	1.4	0.44	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Dichlorodifluoromethane	0.31	U	1.4	0.31	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Ethylbenzene	0.24	U	1.4	0.24	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Ethylene Dibromide	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Isopropylbenzene	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Methyl acetate	0.44	U	6.9	0.44	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Methyl tert-butyl ether	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Methylcyclohexane	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Methylene Chloride	0.21	U	1.4	0.21	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
m-Xylene & p-Xylene	0.82	U	1.4	0.82	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
o-Xylene	0.26	U	1.4	0.26	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Styrene	0.39	U	1.4	0.39	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Tetrachloroethene	0.17	U	1.4	0.17	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Toluene	0.19	U	1.4	0.19	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
trans-1,2-Dichloroethene	0.18	U	1.4	0.18	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
2-Methyl-2-propanol	4.3	U	14	4.3	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
trans-1,3-Dichloropropene	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Trichloroethene	0.17	U	1.4	0.17	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Trichlorofluoromethane	0.22	U	1.4	0.22	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
Vinyl chloride	0.47	U	1.4	0.47	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,2-Dichloroethane	0.25	U	1.4	0.25	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,2-Dichlorobenzene	0.14	U	1.4	0.14	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,2-Dibromo-3-Chloropropane	0.61	U	1.4	0.61	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1
1,1,1,2-Tetrachloroethane	0.15	U	1.4	0.15	ug/Kg	☼	06/11/14 23:05	06/20/14 13:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 23:05*	*06/20/14 13:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*	*06/11/14 23:05*	*06/20/14 13:35*	*1*
4-Bromofluorobenzene	*87*		*70 - 130*	*06/11/14 23:05*	*06/20/14 13:35*	*1*
Dibromofluoromethane (Surr)	*118*		*70 - 130*	*06/11/14 23:05*	*06/20/14 13:35*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*06/11/14 23:05*	*06/20/14 13:35*	*1*

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S3-9.5-10
Date Collected: 06/11/14 14:50
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-6
Matrix: Solid
Percent Solids: 91.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	55	U	360	55	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Phenol	8.6	U	73	8.6	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Bis(2-chloroethyl)ether	9.8	U	73	9.8	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2-Chlorophenol	30	U	360	30	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2-Methylphenol	26	U	360	26	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,2'-oxybis[1-chloropropane]	7.9	U	73	7.9	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Acetophenone	30	U	360	30	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Methylphenol, 3 & 4	36	U	360	36	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
N-Nitrosodi-n-propylamine	8.6	U	73	8.6	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Hexachloroethane	26	U	360	26	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Nitrobenzene	30	U	730	30	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Isophorone	28	U	360	28	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2-Nitrophenol	40	U	360	40	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,4-Dimethylphenol	57	U	360	57	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Bis(2-chloroethoxy)methane	24	U	360	24	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,4-Dichlorophenol	7.3	U	73	7.3	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Naphthalene	6.3	U	73	6.3	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
4-Chloroaniline	29	U	360	29	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Hexachlorobutadiene	8.2	U	73	8.2	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Caprolactam	280	U	1900	280	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
4-Chloro-3-methylphenol	34	U	360	34	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2-Methylnaphthalene	6.6	U	73	6.6	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Hexachlorocyclopentadiene	39	U	360	39	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,4,5-Trichlorophenol	39	U	360	39	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,4,6-Trichlorophenol	55	U	360	55	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
1,1'-Biphenyl	33	U	360	33	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2-Chloronaphthalene	7.6	U	73	7.6	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2-Nitroaniline	160	U	1900	160	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Dimethyl phthalate	40	U	360	40	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,6-Dinitrotoluene	38	U	360	38	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Acenaphthylene	8.4	U	73	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
3-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Acenaphthene	7.0	U	73	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,4-Dinitrophenol	440	U	1900	440	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
4-Nitrophenol	130	U	1900	130	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Dibenzofuran	36	U	360	36	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,4-Dinitrotoluene	30	U	360	30	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Diethyl phthalate	40	U	360	40	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Fluorene	9.6	U	73	9.6	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
4-Chlorophenyl phenyl ether	41	U	360	41	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
4-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
4,6-Dinitro-2-methylphenol	150	U	1900	150	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
N-Nitrosodiphenylamine	34	U	360	34	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
1,2,4,5-Tetrachlorobenzene	28	U	360	28	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
4-Bromophenyl phenyl ether	32	U	360	32	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Hexachlorobenzene	7.8	U	73	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Atrazine	36	U	360	36	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Pentachlorophenol	33	U	360	33	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Phenanthrene	12	U	73	12	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S3-9.5-10
Date Collected: 06/11/14 14:50
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-6
Matrix: Solid
Percent Solids: 91.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	7.2	U	73	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Carbazole	6.7	U	73	6.7	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Di-n-butyl phthalate	46	U	360	46	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Fluoranthene	7.8	U	73	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Pyrene	7.4	U	73	7.4	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Butyl benzyl phthalate	50	U	360	50	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
3,3'-Dichlorobenzidine	39	U	360	39	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Benzo[a]anthracene	9.2	U	73	9.2	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Chrysene	8.7	U	73	8.7	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Bis(2-ethylhexyl) phthalate	**270**	**J**	730	59	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Di-n-octyl phthalate	39	U	360	39	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Benzo[b]fluoranthene	12	U	73	12	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Benzo[k]fluoranthene	15	U	73	15	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Benzo[a]pyrene	7.3	U	73	7.3	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Benzo[g,h,i]perylene	7.3	U	73	7.3	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Indeno[1,2,3-cd]pyrene	7.5	U	73	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
Dibenz(a,h)anthracene	8.1	U	73	8.1	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1
2,3,4,6-Tetrachlorophenol	24	U	360	24	ug/Kg	☼	06/18/14 03:05	06/19/14 16:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*180*	*J*	*ug/Kg*	☼	*15.88*		*06/18/14 03:05*	*06/19/14 16:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*50*		*25 - 104*	*06/18/14 03:05*	*06/19/14 16:22*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*35 - 124*	*06/18/14 03:05*	*06/19/14 16:22*	*1*
2-Fluorophenol (Surr)	*46*		*39 - 103*	*06/18/14 03:05*	*06/19/14 16:22*	*1*
2-Fluorobiphenyl	*53*		*35 - 105*	*06/18/14 03:05*	*06/19/14 16:22*	*1*
Phenol-d5 (Surr)	*50*		*25 - 105*	*06/18/14 03:05*	*06/19/14 16:22*	*1*
Terphenyl-d14 (Surr)	*57*		*25 - 127*	*06/18/14 03:05*	*06/19/14 16:22*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
4,4'-DDE	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
4,4'-DDT	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Aldrin	1.5	U	7.3	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
alpha-BHC	1.6	U	7.3	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
beta-BHC	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Chlordane (technical)	21	U	73	21	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
delta-BHC	1.3	U	7.3	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Dieldrin	1.3	U	7.3	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Endosulfan I	1.6	U	7.3	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Endosulfan II	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Endosulfan sulfate	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Endrin	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Endrin aldehyde	1.1	U	7.3	1.1	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Endrin ketone	1.4	U	7.3	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
gamma-BHC (Lindane)	1.3	U	7.3	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Heptachlor	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Heptachlor epoxide	1.6	U	7.3	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1

Client Sample ID: TCHS-S3-9.5-10
Date Collected: 06/11/14 14:50
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-6
Matrix: Solid
Percent Solids: 91.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	1.8	U	7.3	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1
Toxaphene	20	U	73	20	ug/Kg	☼	06/12/14 07:34	06/12/14 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*76 - 149*	*06/12/14 07:34*	*06/12/14 21:57*	*1*
DCB Decachlorobiphenyl	*124*		*76 - 149*	*06/12/14 07:34*	*06/12/14 21:57*	*1*
Tetrachloro-m-xylene	*111*		*72 - 136*	*06/12/14 07:34*	*06/12/14 21:57*	*1*
Tetrachloro-m-xylene	*114*		*72 - 136*	*06/12/14 07:34*	*06/12/14 21:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Aroclor 1221	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Aroclor 1232	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Aroclor 1242	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Aroclor 1248	16	U	73	16	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Aroclor 1254	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Aroclor 1260	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Aroclor-1262	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Aroclor 1268	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1
Polychlorinated biphenyls, Total	21	U	73	21	ug/Kg	☼	06/12/14 07:26	06/13/14 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*132*		*53 - 150*	*06/12/14 07:26*	*06/13/14 03:53*	*1*
DCB Decachlorobiphenyl	*133*		*53 - 150*	*06/12/14 07:26*	*06/13/14 03:53*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.4	U	19	2.4	ug/Kg	☼	06/12/14 20:27	06/14/14 07:58	1
Silvex (2,4,5-TP)	2.0	U	19	2.0	ug/Kg	☼	06/12/14 20:27	06/14/14 07:58	1
2,4,5-T	3.7	U	19	3.7	ug/Kg	☼	06/12/14 20:27	06/14/14 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*142*		*69 - 150*	*06/12/14 20:27*	*06/14/14 07:58*	*1*
2,4-Dichlorophenylacetic acid	*136*		*69 - 150*	*06/12/14 20:27*	*06/14/14 07:58*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/13/14 13:53	06/16/14 10:46	1
C9-C12 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/13/14 13:53	06/16/14 10:46	1
C16-C21 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/13/14 13:53	06/16/14 10:46	1
C21-C40 Aliphatics	2.2	U	2.2	2.2	mg/Kg	☼	06/13/14 13:53	06/16/14 10:46	1
C16-C21 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/13/14 13:53	06/16/14 10:31	1
C10-C12 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/13/14 13:53	06/16/14 10:31	1
C12-C16 Aromatics	2.2	U	2.2	2.2	mg/Kg	☼	06/13/14 13:53	06/16/14 10:31	1

Client Sample ID: TCHS-S3-9.5-10

Lab Sample ID: 460-77617-6
Date Collected: 06/11/14 14:50
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 91.2

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C21-C36 Aromatic	2.2	U	2.2	2.2	mg/Kg	☼	06/13/14 13:53	06/16/14 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*40 - 140*	*06/13/14 13:53*	*06/16/14 10:31*	*1*
2-Fluorobiphenyl	*70*		*40 - 140*	*06/13/14 13:53*	*06/16/14 10:31*	*1*
2-Bromonaphthalene	*56*		*40 - 140*	*06/13/14 13:53*	*06/16/14 10:31*	*1*
1-Chlorooctadecane	*61*		*40 - 140*	*06/13/14 13:53*	*06/16/14 10:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.39	U	2.0	0.39	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Aluminum	**7100**		39.9	22.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Arsenic	**5.2**		3.0	0.82	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Barium	**11.6**	**J**	39.9	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Beryllium	**0.32**	**J**	0.40	0.27	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Calcium	**263**	**J**	997	76.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Cadmium	0.28	U	0.80	0.28	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Cobalt	**8.1**	**J**	10	0.90	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Chromium	**9.9**		2.0	0.80	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Copper	**13.3**		5.0	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Iron	**17100**		29.9	24.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Potassium	**372**	**J**	997	27.5	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Magnesium	**2150**		997	66.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Manganese	**258**		3.0	0.86	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Sodium	75.4	U	997	75.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Nickel	**14.6**		8.0	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Lead	**13.3**		2.0	0.82	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Antimony	1.5	U	4.0	1.5	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Selenium	1.1	U	4.0	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Thallium	2.0	U	4.0	2.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Vanadium	**10.8**		10	0.82	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4
Zinc	**33.9**		6.0	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:15	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	U	0.019	0.013	mg/Kg	☼	06/18/14 06:30	06/18/14 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	**91.2**		1.0	1.0	%			06/13/14 11:44	1

Client Sample ID: TCHS-S2 0-0.5

Lab Sample ID: 460-77617-7
Date Collected: 06/11/14 16:15
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 66.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.22	U	1.7	0.22	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,1,2,2-Tetrachloroethane	0.15	U	1.7	0.15	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.18	U	1.7	0.18	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S2 0-0.5
Date Collected: 06/11/14 16:15
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-7
Matrix: Solid
Percent Solids: 66.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.23	U	1.7	0.23	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,1-Dichloroethane	0.18	U	1.7	0.18	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,1-Dichloroethene	0.32	U	1.7	0.32	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,2,3-Trichlorobenzene	0.27	U	1.7	0.27	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,2,4-Trichlorobenzene	0.32	U	1.7	0.32	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,2-Dichloropropane	0.25	U	1.7	0.25	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,3-Dichlorobenzene	0.27	U	1.7	0.27	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,4-Dichlorobenzene	0.18	U	1.7	0.18	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,4-Dioxane	21	U	33	21	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
2-Butanone (MEK)	1.0	U	8.3	1.0	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
2-Hexanone	0.22	U	8.3	0.22	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
4-Methyl-2-pentanone (MIBK)	0.33	U	8.3	0.33	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Acetone	2.8	U	8.3	2.8	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Benzene	0.25	U	1.7	0.25	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Bromoform	0.28	U	1.7	0.28	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Bromomethane	0.71	U	1.7	0.71	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Carbon disulfide	0.25	U	1.7	0.25	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Carbon tetrachloride	0.25	U	1.7	0.25	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Chlorobenzene	0.30	U	1.7	0.30	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Chlorobromomethane	0.18	U	1.7	0.18	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Chlorodibromomethane	0.17	U	1.7	0.17	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Chloroethane	0.55	U	1.7	0.55	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Chloroform	0.40	U	1.7	0.40	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Chloromethane	0.27	U	1.7	0.27	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
cis-1,2-Dichloroethene	0.18	U	1.7	0.18	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
cis-1,3-Dichloropropene	0.23	U	1.7	0.23	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Cyclohexane	0.22	U	1.7	0.22	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Dichlorobromomethane	0.53	U	1.7	0.53	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Dichlorodifluoromethane	0.36	U	1.7	0.36	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Ethylbenzene	0.28	U	1.7	0.28	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Ethylene Dibromide	0.25	U	1.7	0.25	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Isopropylbenzene	0.18	U	1.7	0.18	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Methyl acetate	0.53	U	8.3	0.53	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Methyl tert-butyl ether	0.18	U	1.7	0.18	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Methylcyclohexane	0.17	U	1.7	0.17	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Methylene Chloride	0.25	U	1.7	0.25	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
m-Xylene & p-Xylene	0.98	U	1.7	0.98	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
o-Xylene	0.32	U	1.7	0.32	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Styrene	0.46	U	1.7	0.46	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Tetrachloroethene	0.20	U	1.7	0.20	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Toluene	0.23	U	1.7	0.23	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
trans-1,2-Dichloroethene	0.22	U	1.7	0.22	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
2-Methyl-2-propanol	5.2	U	17	5.2	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
trans-1,3-Dichloropropene	0.17	U	1.7	0.17	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Trichloroethene	0.20	U	1.7	0.20	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Trichlorofluoromethane	0.27	U	1.7	0.27	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
Vinyl chloride	0.56	U	1.7	0.56	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,2-Dichloroethane	0.30	U	1.7	0.30	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,2-Dichlorobenzene	0.17	U	1.7	0.17	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1

Client Sample ID: TCHS-S2 0-0.5
Date Collected: 06/11/14 16:15
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-7
Matrix: Solid
Percent Solids: 66.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.73	U	1.7	0.73	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1
1,1,1,2-Tetrachloroethane	0.18	U	1.7	0.18	ug/Kg	☼	06/11/14 23:10	06/20/14 13:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 23:10*	*06/20/14 13:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*	*06/11/14 23:10*	*06/20/14 13:59*	*1*
4-Bromofluorobenzene	*86*		*70 - 130*	*06/11/14 23:10*	*06/20/14 13:59*	*1*
Dibromofluoromethane (Surr)	*118*		*70 - 130*	*06/11/14 23:10*	*06/20/14 13:59*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*06/11/14 23:10*	*06/20/14 13:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	74	U	490	74	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Phenol	12	U	100	12	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Bis(2-chloroethyl)ether	13	U	100	13	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2-Chlorophenol	41	U	490	41	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2-Methylphenol	35	U	490	35	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2,2'-oxybis[1-chloropropane]	11	U	100	11	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Acetophenone	41	U	490	41	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Methylphenol, 3 & 4	49	U	490	49	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
N-Nitrosodi-n-propylamine	12	U	100	12	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Hexachloroethane	36	U	490	36	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Nitrobenzene	41	U	1000	41	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Isophorone	37	U	490	37	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2-Nitrophenol	55	U	490	55	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2,4-Dimethylphenol	78	U	490	78	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Bis(2-chloroethoxy)methane	33	U	490	33	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2,4-Dichlorophenol	10	U	100	10	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Naphthalene	8.6	U	100	8.6	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
4-Chloroaniline	40	U	490	40	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Hexachlorobutadiene	11	U	100	11	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Caprolactam	370	U	2500	370	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
4-Chloro-3-methylphenol	46	U	490	46	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2-Methylnaphthalene	8.9	U	100	8.9	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Hexachlorocyclopentadiene	54	U	490	54	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2,4,5-Trichlorophenol	53	U	490	53	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2,4,6-Trichlorophenol	74	U	490	74	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
1,1'-Biphenyl	44	U	490	44	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2-Chloronaphthalene	10	U	100	10	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2-Nitroaniline	220	U	2500	220	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Dimethyl phthalate	54	U	490	54	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2,6-Dinitrotoluene	51	U	490	51	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Acenaphthylene	**22**	**J**	100	11	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
3-Nitroaniline	200	U	2500	200	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Acenaphthene	9.5	U	100	9.5	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2,4-Dinitrophenol	590	U	2500	590	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
4-Nitrophenol	180	U	2500	180	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Dibenzofuran	49	U	490	49	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1

Client Sample ID: TCHS-S2 0-0.5
Date Collected: 06/11/14 16:15
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-7
Matrix: Solid
Percent Solids: 66.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	40	U	490	40	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Diethyl phthalate	54	U	490	54	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Fluorene	13	U	100	13	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
4-Chlorophenyl phenyl ether	55	U	490	55	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
4-Nitroaniline	200	U	2500	200	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
4,6-Dinitro-2-methylphenol	200	U	2500	200	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
N-Nitrosodiphenylamine	46	U	490	46	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
1,2,4,5-Tetrachlorobenzene	38	U	490	38	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
4-Bromophenyl phenyl ether	43	U	490	43	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Hexachlorobenzene	11	U	100	11	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Atrazine	48	U	490	48	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Pentachlorophenol	44	U	490	44	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Phenanthrene	**69**	**J**	100	16	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Anthracene	**17**	**J**	100	9.7	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Carbazole	9.2	U	100	9.2	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Di-n-butyl phthalate	62	U	490	62	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Fluoranthene	**130**		100	11	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Pyrene	**120**		100	10	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Butyl benzyl phthalate	68	U	490	68	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
3,3'-Dichlorobenzidine	53	U	490	53	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Benzo[a]anthracene	**74**	**J**	100	12	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Chrysene	**80**	**J**	100	12	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Bis(2-ethylhexyl) phthalate	**370**	**J**	1000	80	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Di-n-octyl phthalate	52	U	490	52	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Benzo[b]fluoranthene	**93**	**J**	100	16	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Benzo[k]fluoranthene	**50**	**J**	100	20	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Benzo[a]pyrene	**73**	**J**	100	9.9	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Benzo[g,h,i]perylene	**83**	**J**	100	9.9	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Indeno[1,2,3-cd]pyrene	**69**	**J**	100	10	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
Dibenz(a,h)anthracene	11	U	100	11	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1
2,3,4,6-Tetrachlorophenol	32	U	490	32	ug/Kg	☼	06/18/14 03:05	06/19/14 16:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*440*	*J*	*ug/Kg*	☼	*12.86*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown	*500*	*J*	*ug/Kg*	☼	*13.46*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown	*360*	*J*	*ug/Kg*	☼	*13.48*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown	*870*	*J*	*ug/Kg*	☼	*13.54*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown	*730*	*J*	*ug/Kg*	☼	*14.52*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown	*1300*	*J*	*ug/Kg*	☼	*16.35*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown Straight Chain Alkane	*630*	*J*	*ug/Kg*	☼	*16.75*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown	*320*	*J*	*ug/Kg*	☼	*17.77*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown Straight Chain Alkane	*1800*	*J*	*ug/Kg*	☼	*18.17*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown	*660*	*J*	*ug/Kg*	☼	*19.42*		*06/18/14 03:05*	*06/19/14 16:48*	*1*
Unknown	*790*	*J*	*ug/Kg*	☼	*19.90*		*06/18/14 03:05*	*06/19/14 16:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*25 - 104*	*06/18/14 03:05*	*06/19/14 16:48*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*35 - 124*	*06/18/14 03:05*	*06/19/14 16:48*	*1*
2-Fluorophenol (Surr)	*55*		*39 - 103*	*06/18/14 03:05*	*06/19/14 16:48*	*1*
2-Fluorobiphenyl	*61*		*35 - 105*	*06/18/14 03:05*	*06/19/14 16:48*	*1*

Client Sample ID: TCHS-S2 0-0.5
Date Collected: 06/11/14 16:15
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-7
Matrix: Solid
Percent Solids: 66.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*56*		*25 - 105*	*06/18/14 03:05*	*06/19/14 16:48*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*06/18/14 03:05*	*06/19/14 16:48*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	10	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
4,4'-DDE	2.0	U	10	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
4,4'-DDT	2.4	U	10	2.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Aldrin	2.1	U	10	2.1	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
alpha-BHC	2.3	U	10	2.3	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
beta-BHC	2.4	U	10	2.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Chlordane (technical)	29	U	100	29	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
delta-BHC	1.8	U	10	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Dieldrin	1.8	U	10	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Endosulfan I	2.3	U	10	2.3	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Endosulfan II	2.0	U	10	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Endosulfan sulfate	2.0	U	10	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Endrin	2.4	U	10	2.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Endrin aldehyde	1.5	U	10	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Endrin ketone	2.0	U	10	2.0	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
gamma-BHC (Lindane)	1.8	U	10	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Heptachlor	2.4	U	10	2.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Heptachlor epoxide	2.3	U	10	2.3	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Methoxychlor	2.4	U	10	2.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1
Toxaphene	27	U	100	27	ug/Kg	☼	06/12/14 07:34	06/12/14 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*109*		*76 - 149*	*06/12/14 07:34*	*06/12/14 22:12*	*1*
DCB Decachlorobiphenyl	*124*		*76 - 149*	*06/12/14 07:34*	*06/12/14 22:12*	*1*
Tetrachloro-m-xylene	*111*		*72 - 136*	*06/12/14 07:34*	*06/12/14 22:12*	*1*
Tetrachloro-m-xylene	*113*		*72 - 136*	*06/12/14 07:34*	*06/12/14 22:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	23	U	100	23	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Aroclor 1221	23	U	100	23	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Aroclor 1232	23	U	100	23	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Aroclor 1242	23	U	100	23	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Aroclor 1248	23	U	100	23	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Aroclor 1254	29	U	100	29	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Aroclor 1260	29	U	100	29	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Aroclor-1262	29	U	100	29	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Aroclor 1268	29	U	100	29	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1
Polychlorinated biphenyls, Total	29	U	100	29	ug/Kg	☼	06/12/14 07:26	06/13/14 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*129*		*53 - 150*	*06/12/14 07:26*	*06/13/14 04:09*	*1*
DCB Decachlorobiphenyl	*128*		*53 - 150*	*06/12/14 07:26*	*06/13/14 04:09*	*1*

Client Sample ID: TCHS-S2 0-0.5
Date Collected: 06/11/14 16:15
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-7
Matrix: Solid
Percent Solids: 66.3

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	3.3	U	26	3.3	ug/Kg	☼	06/12/14 20:27	06/14/14 04:21	1
Silvex (2,4,5-TP)	2.8	U	26	2.8	ug/Kg	☼	06/12/14 20:27	06/14/14 04:21	1
2,4,5-T	5.1	U	26	5.1	ug/Kg	☼	06/12/14 20:27	06/14/14 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*148*		*69 - 150*	*06/12/14 20:27*	*06/14/14 04:21*	*1*
2,4-Dichlorophenylacetic acid	*150*		*69 - 150*	*06/12/14 20:27*	*06/14/14 04:21*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	**90**		2.0	2.0	mg/Kg			06/17/14 07:41	1
Total Aliphatics	**88**		2.0	2.0	mg/Kg			06/17/14 07:41	1
Total EPH	**180**		2.0	2.0	mg/Kg			06/17/14 07:41	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	**4.2**		3.0	3.0	mg/Kg	☼	06/13/14 13:53	06/16/14 12:02	1
C9-C12 Aliphatics	**7.0**		3.0	3.0	mg/Kg	☼	06/13/14 13:53	06/16/14 12:02	1
C16-C21 Aliphatics	**5.7**		3.0	3.0	mg/Kg	☼	06/13/14 13:53	06/16/14 12:02	1
C21-C40 Aliphatics	**71**		3.0	3.0	mg/Kg	☼	06/13/14 13:53	06/16/14 12:02	1
C16-C21 Aromatics	**14**		3.0	3.0	mg/Kg	☼	06/13/14 13:53	06/16/14 11:47	1
C10-C12 Aromatics	**9.0**		3.0	3.0	mg/Kg	☼	06/13/14 13:53	06/16/14 11:47	1
C12-C16 Aromatics	**5.5**		3.0	3.0	mg/Kg	☼	06/13/14 13:53	06/16/14 11:47	1
C21-C36 Aromatic	**61**		3.0	3.0	mg/Kg	☼	06/13/14 13:53	06/16/14 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*40 - 140*	*06/13/14 13:53*	*06/16/14 11:47*	*1*
2-Fluorobiphenyl	*97*		*40 - 140*	*06/13/14 13:53*	*06/16/14 11:47*	*1*
2-Bromonaphthalene	*83*		*40 - 140*	*06/13/14 13:53*	*06/16/14 11:47*	*1*
1-Chlorooctadecane	*66*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**1.3**	**J**	2.7	0.53	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Aluminum	**6830**		54.9	30.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Arsenic	**41.7**		4.1	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Barium	**111**		54.9	2.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Beryllium	**0.44**	**J**	0.55	0.37	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Calcium	**1350**	**J**	1370	105	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Cadmium	**0.86**	**J**	1.1	0.39	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Cobalt	**5.3**	**J**	13.7	1.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Chromium	**29.6**		2.7	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Copper	**135**		6.9	2.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Iron	**18100**		41.2	34.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Potassium	**458**	**J**	1370	37.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Magnesium	**1720**		1370	91.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Manganese	**230**		4.1	1.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Sodium	104	U	1370	104	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Nickel	**15.6**		11.0	2.5	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Lead	**721**		2.7	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Antimony	2.1	U	5.5	2.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4

Client Sample ID: TCHS-S2 0-0.5

Lab Sample ID: 460-77617-7

Date Collected: 06/11/14 16:15
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 66.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.6	U	5.5	1.6	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Thallium	2.7	U	5.5	2.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Vanadium	**29.6**		13.7	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4
Zinc	**240**		8.2	2.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:18	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.9**		0.046	0.032	mg/Kg	☼	06/18/14 06:30	06/18/14 13:13	2

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**33.7**		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	**66.3**		1.0	1.0	%			06/13/14 11:44	1

Client Sample ID: TCHS-S2 9.5-10

Lab Sample ID: 460-77617-8

Date Collected: 06/11/14 16:20
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,1,2,2-Tetrachloroethane	0.11	U	1.2	0.11	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,1,2-Trichloroethane	0.17	U	1.2	0.17	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,1-Dichloroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,1-Dichloroethene	0.23	U	1.2	0.23	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,2,3-Trichlorobenzene	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,2,4-Trichlorobenzene	0.23	U	1.2	0.23	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,2-Dichloropropane	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,3-Dichlorobenzene	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,4-Dichlorobenzene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,4-Dioxane	15	U	24	15	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
2-Butanone (MEK)	0.77	U	6.1	0.77	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
2-Hexanone	0.16	U	6.1	0.16	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
4-Methyl-2-pentanone (MIBK)	0.24	U	6.1	0.24	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Acetone	2.1	U	6.1	2.1	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Benzene	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Bromoform	0.21	U	1.2	0.21	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Bromomethane	0.52	U	1.2	0.52	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Carbon disulfide	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Carbon tetrachloride	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Chlorobenzene	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Chlorobromomethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Chlorodibromomethane	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Chloroethane	0.40	U	1.2	0.40	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Chloroform	0.29	U	1.2	0.29	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Chloromethane	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
cis-1,2-Dichloroethene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
cis-1,3-Dichloropropene	0.17	U	1.2	0.17	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Cyclohexane	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S2 9.5-10
Date Collected: 06/11/14 16:20
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-8
Matrix: Solid
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.39	U	1.2	0.39	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Dichlorodifluoromethane	0.27	U	1.2	0.27	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Ethylbenzene	0.21	U	1.2	0.21	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Ethylene Dibromide	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Isopropylbenzene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Methyl acetate	0.39	U	6.1	0.39	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Methyl tert-butyl ether	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Methylcyclohexane	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Methylene Chloride	**0.18**	**J**	1.2	0.18	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
m-Xylene & p-Xylene	0.72	U	1.2	0.72	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
o-Xylene	0.23	U	1.2	0.23	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Styrene	0.34	U	1.2	0.34	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Tetrachloroethene	0.15	U	1.2	0.15	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Toluene	0.17	U	1.2	0.17	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
trans-1,2-Dichloroethene	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
2-Methyl-2-propanol	3.8	U	12	3.8	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
trans-1,3-Dichloropropene	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Trichloroethene	0.15	U	1.2	0.15	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Trichlorofluoromethane	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
Vinyl chloride	0.41	U	1.2	0.41	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,2-Dichloroethane	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,2-Dichlorobenzene	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,2-Dibromo-3-Chloropropane	0.54	U	1.2	0.54	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1
1,1,1,2-Tetrachloroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:15	06/20/14 14:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 23:15*	*06/20/14 14:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*06/11/14 23:15*	*06/20/14 14:23*	*1*
4-Bromofluorobenzene	*85*		*70 - 130*	*06/11/14 23:15*	*06/20/14 14:23*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*06/11/14 23:15*	*06/20/14 14:23*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*	*06/11/14 23:15*	*06/20/14 14:23*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	54	U	350	54	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Phenol	8.5	U	72	8.5	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Bis(2-chloroethyl)ether	9.6	U	72	9.6	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2-Chlorophenol	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2-Methylphenol	25	U	350	25	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,2'-oxybis[1-chloropropane]	7.7	U	72	7.7	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Acetophenone	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Methylphenol, 3 & 4	35	U	350	35	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
N-Nitrosodi-n-propylamine	8.4	U	72	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Hexachloroethane	26	U	350	26	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Nitrobenzene	30	U	720	30	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Isophorone	27	U	350	27	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2-Nitrophenol	40	U	350	40	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,4-Dimethylphenol	56	U	350	56	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S2 9.5-10
Date Collected: 06/11/14 16:20
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-8
Matrix: Solid
Percent Solids: 93.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	24	U	350	24	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,4-Dichlorophenol	7.2	U	72	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Naphthalene	6.2	U	72	6.2	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
4-Chloroaniline	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Hexachlorobutadiene	8.0	U	72	8.0	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Caprolactam	270	U	1800	270	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
4-Chloro-3-methylphenol	33	U	350	33	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2-Methylnaphthalene	6.5	U	72	6.5	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Hexachlorocyclopentadiene	39	U	350	39	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,4,5-Trichlorophenol	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,4,6-Trichlorophenol	54	U	350	54	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
1,1'-Biphenyl	32	U	350	32	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2-Chloronaphthalene	7.5	U	72	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2-Nitroaniline	160	U	1800	160	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Dimethyl phthalate	39	U	350	39	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,6-Dinitrotoluene	37	U	350	37	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Acenaphthylene	8.2	U	72	8.2	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
3-Nitroaniline	150	U	1800	150	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Acenaphthene	6.9	U	72	6.9	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,4-Dinitrophenol	430	U	1800	430	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
4-Nitrophenol	130	U	1800	130	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Dibenzofuran	35	U	350	35	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,4-Dinitrotoluene	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Diethyl phthalate	39	U	350	39	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Fluorene	9.5	U	72	9.5	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
4-Chlorophenyl phenyl ether	40	U	350	40	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
4-Nitroaniline	150	U	1800	150	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
4,6-Dinitro-2-methylphenol	140	U	1800	140	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
N-Nitrosodiphenylamine	33	U	350	33	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
1,2,4,5-Tetrachlorobenzene	27	U	350	27	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
4-Bromophenyl phenyl ether	31	U	350	31	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Hexachlorobenzene	7.6	U	72	7.6	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Atrazine	35	U	350	35	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Pentachlorophenol	32	U	350	32	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Phenanthrene	11	U	72	11	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Anthracene	7.0	U	72	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Carbazole	6.6	U	72	6.6	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Di-n-butyl phthalate	45	U	350	45	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Fluoranthene	7.7	U	72	7.7	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Pyrene	7.3	U	72	7.3	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Butyl benzyl phthalate	49	U	350	49	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
3,3'-Dichlorobenzidine	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Benzo[a]anthracene	9.0	U	72	9.0	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Chrysene	8.5	U	72	8.5	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Bis(2-ethylhexyl) phthalate	**240**	**J**	720	58	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Di-n-octyl phthalate	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Benzo[b]fluoranthene	11	U	72	11	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Benzo[k]fluoranthene	15	U	72	15	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Benzo[a]pyrene	7.2	U	72	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1

Client Sample ID: TCHS-S2 9.5-10
Date Collected: 06/11/14 16:20
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-8
Matrix: Solid
Percent Solids: 93.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	7.1	U	72	7.1	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Indeno[1,2,3-cd]pyrene	7.4	U	72	7.4	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
Dibenz(a,h)anthracene	8.0	U	72	8.0	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1
2,3,4,6-Tetrachlorophenol	23	U	350	23	ug/Kg	☼	06/18/14 03:05	06/19/14 17:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*J*	*ug/Kg*	☼	*14.53*		*06/18/14 03:05*	*06/19/14 17:15*	*1*
Unknown	*150*	*J*	*ug/Kg*	☼	*16.92*		*06/18/14 03:05*	*06/19/14 17:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*50*		*25 - 104*	*06/18/14 03:05*	*06/19/14 17:15*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*35 - 124*	*06/18/14 03:05*	*06/19/14 17:15*	*1*
2-Fluorophenol (Surr)	*46*		*39 - 103*	*06/18/14 03:05*	*06/19/14 17:15*	*1*
2-Fluorobiphenyl	*53*		*35 - 105*	*06/18/14 03:05*	*06/19/14 17:15*	*1*
Phenol-d5 (Surr)	*49*		*25 - 105*	*06/18/14 03:05*	*06/19/14 17:15*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*06/18/14 03:05*	*06/19/14 17:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
4,4'-DDE	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
4,4'-DDT	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Aldrin	1.5	U	7.2	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
alpha-BHC	1.6	U	7.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
beta-BHC	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Chlordane (technical)	20	U	72	20	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
delta-BHC	1.3	U	7.2	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Dieldrin	1.3	U	7.2	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Endosulfan I	1.6	U	7.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Endosulfan II	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Endosulfan sulfate	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Endrin	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Endrin aldehyde	1.1	U	7.2	1.1	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Endrin ketone	1.4	U	7.2	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
gamma-BHC (Lindane)	1.3	U	7.2	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Heptachlor	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Heptachlor epoxide	1.6	U	7.2	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Methoxychlor	1.7	U	7.2	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1
Toxaphene	19	U	72	19	ug/Kg	☼	06/12/14 07:34	06/12/14 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*76 - 149*	*06/12/14 07:34*	*06/12/14 22:28*	*1*
DCB Decachlorobiphenyl	*122*		*76 - 149*	*06/12/14 07:34*	*06/12/14 22:28*	*1*
Tetrachloro-m-xylene	*110*		*72 - 136*	*06/12/14 07:34*	*06/12/14 22:28*	*1*
Tetrachloro-m-xylene	*112*		*72 - 136*	*06/12/14 07:34*	*06/12/14 22:28*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1
Aroclor 1221	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1
Aroclor 1232	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1

Client Sample ID: TCHS-S2 9.5-10
Date Collected: 06/11/14 16:20
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-8
Matrix: Solid
Percent Solids: 93.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1242	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1
Aroclor 1248	16	U	72	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1
Aroclor 1254	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1
Aroclor 1260	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1
Aroclor-1262	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1
Aroclor 1268	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1
Polychlorinated biphenyls, Total	20	U	72	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*128*		*53 - 150*	*06/12/14 07:26*	*06/13/14 04:26*	*1*
DCB Decachlorobiphenyl	*130*		*53 - 150*	*06/12/14 07:26*	*06/13/14 04:26*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.3	U	18	2.3	ug/Kg	☼	06/12/14 20:27	06/14/14 08:19	1
Silvex (2,4,5-TP)	2.0	U	18	2.0	ug/Kg	☼	06/12/14 20:27	06/14/14 08:19	1
2,4,5-T	3.7	U	18	3.7	ug/Kg	☼	06/12/14 20:27	06/14/14 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*149*		*69 - 150*	*06/12/14 20:27*	*06/14/14 08:19*	*1*
2,4-Dichlorophenylacetic acid	*147*		*69 - 150*	*06/12/14 20:27*	*06/14/14 08:19*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:17	1
C9-C12 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:17	1
C16-C21 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:17	1
C21-C40 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:17	1
C16-C21 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:02	1
C10-C12 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:02	1
C12-C16 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:02	1
C21-C36 Aromatic	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:02*	*1*
2-Fluorobiphenyl	*95*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:02*	*1*
2-Bromonaphthalene	*83*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:02*	*1*
1-Chlorooctadecane	*68*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:17*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.39	U	2.0	0.39	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Aluminum	**8290**		40.6	22.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Arsenic	**3.7**		3.0	0.83	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Barium	**26.1**	**J**	40.6	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4

Client Sample ID: TCHS-S2 9.5-10

Lab Sample ID: 460-77617-8

Date Collected: 06/11/14 16:20
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 93.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.32**	**J**	0.41	0.28	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Calcium	**162**	**J**	1010	77.6	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Cadmium	0.29	U	0.81	0.29	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Cobalt	**3.5**	**J**	10.1	0.92	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Chromium	**11.9**		2.0	0.81	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Copper	**11.4**		5.1	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Iron	**15500**		30.4	25.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Potassium	**461**	**J**	1010	28.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Magnesium	**2390**		1010	67.4	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Manganese	**149**		3.0	0.87	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Sodium	76.7	U	1010	76.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Nickel	**12.0**		8.1	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Lead	**10.8**		2.0	0.83	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Antimony	1.5	U	4.1	1.5	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Selenium	1.2	U	4.1	1.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Thallium	2.0	U	4.1	2.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Vanadium	**10.9**		10.1	0.84	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4
Zinc	**33.9**		6.1	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:22	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	U	0.018	0.013	mg/Kg	☼	06/18/14 06:30	06/18/14 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.0**		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	**93.0**		1.0	1.0	%			06/13/14 11:44	1

Client Sample ID: TCHS-S4 0-0.5

Lab Sample ID: 460-77617-9

Date Collected: 06/11/14 14:00
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 87.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.15	U	1.2	0.15	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,1,2,2-Tetrachloroethane	0.11	U	1.2	0.11	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,1,2-Trichloroethane	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,1-Dichloroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,1-Dichloroethene	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,2,3-Trichlorobenzene	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,2,4-Trichlorobenzene	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,2-Dichloropropane	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,3-Dichlorobenzene	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,4-Dichlorobenzene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,4-Dioxane	15	U	23	15	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
2-Butanone (MEK)	0.74	U	5.9	0.74	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
2-Hexanone	0.15	U	5.9	0.15	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
4-Methyl-2-pentanone (MIBK)	0.23	U	5.9	0.23	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Acetone	2.0	U	5.9	2.0	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S4 0-0.5
Date Collected: 06/11/14 14:00
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-9
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Bromoform	0.20	U	1.2	0.20	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Bromomethane	0.50	U	1.2	0.50	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Carbon disulfide	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Carbon tetrachloride	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Chlorobenzene	0.21	U	1.2	0.21	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Chlorobromomethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Chlorodibromomethane	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Chloroethane	0.39	U	1.2	0.39	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Chloroform	0.28	U	1.2	0.28	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Chloromethane	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
cis-1,2-Dichloroethene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
cis-1,3-Dichloropropene	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Cyclohexane	0.15	U	1.2	0.15	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Dichlorobromomethane	0.38	U	1.2	0.38	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Dichlorodifluoromethane	0.26	U	1.2	0.26	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Ethylbenzene	0.20	U	1.2	0.20	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Ethylene Dibromide	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Isopropylbenzene	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Methyl acetate	0.38	U	5.9	0.38	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Methyl tert-butyl ether	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Methylcyclohexane	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Methylene Chloride	0.18	U	1.2	0.18	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
m-Xylene & p-Xylene	0.69	U	1.2	0.69	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
o-Xylene	0.22	U	1.2	0.22	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Styrene	0.33	U	1.2	0.33	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Tetrachloroethene	0.14	U	1.2	0.14	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Toluene	0.16	U	1.2	0.16	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
trans-1,2-Dichloroethene	0.15	U	1.2	0.15	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
2-Methyl-2-propanol	3.6	U	12	3.6	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
trans-1,3-Dichloropropene	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Trichloroethene	0.14	U	1.2	0.14	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Trichlorofluoromethane	0.19	U	1.2	0.19	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
Vinyl chloride	0.40	U	1.2	0.40	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,2-Dichloroethane	0.21	U	1.2	0.21	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,2-Dichlorobenzene	0.12	U	1.2	0.12	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,2-Dibromo-3-Chloropropane	0.52	U	1.2	0.52	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1
1,1,1,2-Tetrachloroethane	0.13	U	1.2	0.13	ug/Kg	☼	06/11/14 23:20	06/20/14 14:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 23:20*	*06/20/14 14:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*	*06/11/14 23:20*	*06/20/14 14:47*	*1*
4-Bromofluorobenzene	*85*		*70 - 130*	*06/11/14 23:20*	*06/20/14 14:47*	*1*
Dibromofluoromethane (Surr)	*119*		*70 - 130*	*06/11/14 23:20*	*06/20/14 14:47*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*06/11/14 23:20*	*06/20/14 14:47*	*1*

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S4 0-0.5
Date Collected: 06/11/14 14:00
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-9
Matrix: Solid
Percent Solids: 87.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	56	U	370	56	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Phenol	8.9	U	76	8.9	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Bis(2-chloroethyl)ether	10	U	76	10	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2-Chlorophenol	31	U	370	31	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2-Methylphenol	26	U	370	26	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,2'-oxybis[1-chloropropane]	8.1	U	76	8.1	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Acetophenone	31	U	370	31	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Methylphenol, 3 & 4	37	U	370	37	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
N-Nitrosodi-n-propylamine	8.8	U	76	8.8	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Hexachloroethane	27	U	370	27	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Nitrobenzene	31	U	760	31	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Isophorone	28	U	370	28	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2-Nitrophenol	42	U	370	42	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,4-Dimethylphenol	59	U	370	59	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Bis(2-chloroethoxy)methane	25	U	370	25	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,4-Dichlorophenol	7.6	U	76	7.6	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Naphthalene	6.5	U	76	6.5	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
4-Chloroaniline	30	U	370	30	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Hexachlorobutadiene	8.4	U	76	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Caprolactam	280	U	1900	280	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
4-Chloro-3-methylphenol	35	U	370	35	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2-Methylnaphthalene	6.8	U	76	6.8	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Hexachlorocyclopentadiene	41	U	370	41	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,4,5-Trichlorophenol	40	U	370	40	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,4,6-Trichlorophenol	56	U	370	56	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
1,1'-Biphenyl	34	U	370	34	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2-Chloronaphthalene	7.9	U	76	7.9	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2-Nitroaniline	170	U	1900	170	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Dimethyl phthalate	41	U	370	41	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,6-Dinitrotoluene	39	U	370	39	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Acenaphthylene	**28**	**J**	76	8.6	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
3-Nitroaniline	160	U	1900	160	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Acenaphthene	**12**	**J**	76	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,4-Dinitrophenol	450	U	1900	450	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
4-Nitrophenol	140	U	1900	140	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Dibenzofuran	37	U	370	37	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,4-Dinitrotoluene	30	U	370	30	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Diethyl phthalate	41	U	370	41	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Fluorene	**13**	**J**	76	9.9	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
4-Chlorophenyl phenyl ether	42	U	370	42	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
4-Nitroaniline	150	U	1900	150	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
4,6-Dinitro-2-methylphenol	150	U	1900	150	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
N-Nitrosodiphenylamine	35	U	370	35	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
1,2,4,5-Tetrachlorobenzene	29	U	370	29	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
4-Bromophenyl phenyl ether	33	U	370	33	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Hexachlorobenzene	8.0	U	76	8.0	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Atrazine	37	U	370	37	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Pentachlorophenol	34	U	370	34	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Phenanthrene	**170**		76	12	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1

Client Sample ID: TCHS-S4 0-0.5
Date Collected: 06/11/14 14:00
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-9
Matrix: Solid
Percent Solids: 87.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	41	J	76	7.4	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Carbazole	26	J	76	6.9	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Di-n-butyl phthalate	390		370	47	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Fluoranthene	380		76	8.1	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Pyrene	290		76	7.6	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Butyl benzyl phthalate	1300		370	51	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
3,3'-Dichlorobenzidine	40	U	370	40	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Benzo[a]anthracene	180		76	9.4	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Chrysene	210		76	9.0	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Bis(2-ethylhexyl) phthalate	630	J	760	61	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Di-n-octyl phthalate	40	U	370	40	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Benzo[b]fluoranthene	200		76	12	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Benzo[k]fluoranthene	120		76	15	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Benzo[a]pyrene	180		76	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Benzo[g,h,i]perylene	180		76	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Indeno[1,2,3-cd]pyrene	150		76	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
Dibenz(a,h)anthracene	8.4	U	76	8.4	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1
2,3,4,6-Tetrachlorophenol	24	U	370	24	ug/Kg	☼	06/18/14 03:05	06/19/14 17:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*250*	*J*	*ug/Kg*	☼	*10.46*		*06/18/14 03:05*	*06/19/14 17:42*	*1*
Unknown	*150*	*J*	*ug/Kg*	☼	*11.80*		*06/18/14 03:05*	*06/19/14 17:42*	*1*
Unknown Straight Chain Alkane	*360*	*J*	*ug/Kg*	☼	*12.86*		*06/18/14 03:05*	*06/19/14 17:42*	*1*
Unknown	*6100*	*J*	*ug/Kg*	☼	*13.42*		*06/18/14 03:05*	*06/19/14 17:42*	*1*
Unknown	*170*	*J*	*ug/Kg*	☼	*14.07*		*06/18/14 03:05*	*06/19/14 17:42*	*1*
Unknown	*150*	*J*	*ug/Kg*	☼	*15.37*		*06/18/14 03:05*	*06/19/14 17:42*	*1*
Unknown Straight Chain Alkane	*470*	*J*	*ug/Kg*	☼	*16.75*		*06/18/14 03:05*	*06/19/14 17:42*	*1*
Unknown	*270*	*J*	*ug/Kg*	☼	*18.16*		*06/18/14 03:05*	*06/19/14 17:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*55*		*25 - 104*	*06/18/14 03:05*	*06/19/14 17:42*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*06/18/14 03:05*	*06/19/14 17:42*	*1*
2-Fluorophenol (Surr)	*49*		*39 - 103*	*06/18/14 03:05*	*06/19/14 17:42*	*1*
2-Fluorobiphenyl	*58*		*35 - 105*	*06/18/14 03:05*	*06/19/14 17:42*	*1*
Phenol-d5 (Surr)	*51*		*25 - 105*	*06/18/14 03:05*	*06/19/14 17:42*	*1*
Terphenyl-d14 (Surr)	*54*		*25 - 127*	*06/18/14 03:05*	*06/19/14 17:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.5	U	7.6	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
4,4'-DDE	1.5	U	7.6	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
4,4'-DDT	1.8	U	7.6	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Aldrin	1.6	U	7.6	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
alpha-BHC	1.7	U	7.6	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
beta-BHC	1.8	U	7.6	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Chlordane (technical)	22	U	76	22	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
delta-BHC	1.4	U	7.6	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Dieldrin	1.4	U	7.6	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Endosulfan I	1.7	U	7.6	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Endosulfan II	1.5	U	7.6	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1

Client Sample ID: TCHS-S4 0-0.5
Date Collected: 06/11/14 14:00
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-9
Matrix: Solid
Percent Solids: 87.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	1.5	U	7.6	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Endrin	1.8	U	7.6	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Endrin aldehyde	1.1	U	7.6	1.1	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Endrin ketone	1.5	U	7.6	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
gamma-BHC (Lindane)	1.4	U	7.6	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Heptachlor	1.8	U	7.6	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Heptachlor epoxide	1.7	U	7.6	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Methoxychlor	1.8	U	7.6	1.8	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1
Toxaphene	20	U	76	20	ug/Kg	☼	06/12/14 07:34	06/12/14 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*76 - 149*	*06/12/14 07:34*	*06/12/14 22:44*	*1*
DCB Decachlorobiphenyl	*119*		*76 - 149*	*06/12/14 07:34*	*06/12/14 22:44*	*1*
Tetrachloro-m-xylene	*106*		*72 - 136*	*06/12/14 07:34*	*06/12/14 22:44*	*1*
Tetrachloro-m-xylene	*109*		*72 - 136*	*06/12/14 07:34*	*06/12/14 22:44*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	17	U	76	17	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Aroclor 1221	17	U	76	17	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Aroclor 1232	17	U	76	17	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Aroclor 1242	17	U	76	17	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Aroclor 1248	17	U	76	17	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Aroclor 1254	22	U	76	22	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Aroclor 1260	22	U	76	22	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Aroclor-1262	22	U	76	22	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Aroclor 1268	22	U	76	22	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1
Polychlorinated biphenyls, Total	22	U	76	22	ug/Kg	☼	06/12/14 07:26	06/13/14 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*127*		*53 - 150*	*06/12/14 07:26*	*06/13/14 04:42*	*1*
DCB Decachlorobiphenyl	*126*		*53 - 150*	*06/12/14 07:26*	*06/13/14 04:42*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.5	U	19	2.5	ug/Kg	☼	06/13/14 18:33	06/14/14 21:21	1
Silvex (2,4,5-TP)	2.1	U	19	2.1	ug/Kg	☼	06/13/14 18:33	06/14/14 21:21	1
2,4,5-T	3.9	U	19	3.9	ug/Kg	☼	06/13/14 18:33	06/14/14 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*125*		*69 - 150*	*06/13/14 18:33*	*06/14/14 21:21*	*1*
2,4-Dichlorophenylacetic acid	*140*		*69 - 150*	*06/13/14 18:33*	*06/14/14 21:21*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S4 0-0.5
Date Collected: 06/11/14 14:00
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-9
Matrix: Solid
Percent Solids: 87.9

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.3	U	2.3	2.3	mg/Kg	☼	06/13/14 13:53	06/16/14 12:32	1
C9-C12 Aliphatics	2.3	U	2.3	2.3	mg/Kg	☼	06/13/14 13:53	06/16/14 12:32	1
C16-C21 Aliphatics	2.3	U	2.3	2.3	mg/Kg	☼	06/13/14 13:53	06/16/14 12:32	1
C21-C40 Aliphatics	2.3	U	2.3	2.3	mg/Kg	☼	06/13/14 13:53	06/16/14 12:32	1
C16-C21 Aromatics	2.3	U	2.3	2.3	mg/Kg	☼	06/13/14 13:53	06/16/14 12:17	1
C10-C12 Aromatics	2.3	U	2.3	2.3	mg/Kg	☼	06/13/14 13:53	06/16/14 12:17	1
C12-C16 Aromatics	2.3	U	2.3	2.3	mg/Kg	☼	06/13/14 13:53	06/16/14 12:17	1
C21-C36 Aromatic	2.3	U	2.3	2.3	mg/Kg	☼	06/13/14 13:53	06/16/14 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:17*	*1*
2-Fluorobiphenyl	*96*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:17*	*1*
2-Bromonaphthalene	*83*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:17*	*1*
1-Chlorooctadecane	*61*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.42	U	2.2	0.42	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Aluminum	**7970**		43.7	24.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Arsenic	**5.3**		3.3	0.90	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Barium	**51.8**		43.7	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Beryllium	**0.36**	**J**	0.44	0.30	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Calcium	**640**	**J**	1090	83.6	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Cadmium	0.31	U	0.87	0.31	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Cobalt	**5.3**	**J**	10.9	0.99	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Chromium	**11.9**		2.2	0.88	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Copper	**24.3**		5.5	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Iron	**15000**		32.8	27.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Potassium	**516**	**J**	1090	30.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Magnesium	**2000**		1090	72.6	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Manganese	**175**		3.3	0.94	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Sodium	82.7	U	1090	82.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Nickel	**13.4**		8.7	2.0	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Lead	**263**		2.2	0.90	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Antimony	1.7	U	4.4	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Selenium	1.2	U	4.4	1.2	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Thallium	2.1	U	4.4	2.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Vanadium	**17.4**		10.9	0.90	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4
Zinc	**179**		6.6	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:25	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.069**		0.018	0.013	mg/Kg	☼	06/18/14 06:30	06/18/14 13:17	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.1**		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	**87.9**		1.0	1.0	%			06/13/14 11:44	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S4 5.5-6.0
Date Collected: 06/11/14 14:40
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-10
Matrix: Solid
Percent Solids: 95.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,1,2,2-Tetrachloroethane	0.10	U	1.1	0.10	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,1,2-Trichloroethane	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,1-Dichloroethane	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,1-Dichloroethene	0.22	U	1.1	0.22	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,2,3-Trichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,2,4-Trichlorobenzene	0.22	U	1.1	0.22	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,2-Dichloropropane	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,3-Dichlorobenzene	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,4-Dichlorobenzene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,4-Dioxane	15	U	23	15	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
2-Butanone (MEK)	0.72	U	5.7	0.72	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
2-Hexanone	0.15	U	5.7	0.15	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
4-Methyl-2-pentanone (MIBK)	0.23	U	5.7	0.23	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Acetone	**8.9**	**B**	5.7	1.9	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Benzene	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Bromoform	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Bromomethane	0.49	U	1.1	0.49	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Carbon disulfide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Carbon tetrachloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Chlorobenzene	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Chlorobromomethane	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Chlorodibromomethane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Chloroethane	0.38	U	1.1	0.38	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Chloroform	0.27	U	1.1	0.27	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Chloromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
cis-1,2-Dichloroethene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
cis-1,3-Dichloropropene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Cyclohexane	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Dichlorobromomethane	0.37	U	1.1	0.37	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Dichlorodifluoromethane	0.25	U	1.1	0.25	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Ethylbenzene	0.19	U	1.1	0.19	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Ethylene Dibromide	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Isopropylbenzene	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Methyl acetate	0.37	U	5.7	0.37	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Methyl tert-butyl ether	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Methylcyclohexane	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Methylene Chloride	0.17	U	1.1	0.17	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
m-Xylene & p-Xylene	0.68	U	1.1	0.68	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
o-Xylene	0.22	U	1.1	0.22	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Styrene	0.32	U	1.1	0.32	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Tetrachloroethene	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Toluene	0.16	U	1.1	0.16	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
trans-1,2-Dichloroethene	0.15	U	1.1	0.15	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
2-Methyl-2-propanol	3.6	U	11	3.6	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
trans-1,3-Dichloropropene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Trichloroethene	0.14	U	1.1	0.14	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
Trichlorofluoromethane	0.18	U	1.1	0.18	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1

Client Sample ID: TCHS-S4 5.5-6.0
Date Collected: 06/11/14 14:40
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-10
Matrix: Solid
Percent Solids: 95.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.39	U	1.1	0.39	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,2-Dichloroethane	0.21	U	1.1	0.21	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,2-Dichlorobenzene	0.11	U	1.1	0.11	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,2-Dibromo-3-Chloropropane	0.50	U	1.1	0.50	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1
1,1,1,2-Tetrachloroethane	0.13	U	1.1	0.13	ug/Kg	☼	06/11/14 23:24	06/20/14 15:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*06/11/14 23:24*	*06/20/14 15:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*	*06/11/14 23:24*	*06/20/14 15:11*	*1*
4-Bromofluorobenzene	*85*		*70 - 130*	*06/11/14 23:24*	*06/20/14 15:11*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*06/11/14 23:24*	*06/20/14 15:11*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*06/11/14 23:24*	*06/20/14 15:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	52	U	350	52	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Phenol	8.3	U	70	8.3	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Bis(2-chloroethyl)ether	9.4	U	70	9.4	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2-Chlorophenol	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2-Methylphenol	24	U	350	24	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2,2'-oxybis[1-chloropropane]	7.5	U	70	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Acetophenone	29	U	350	29	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Methylphenol, 3 & 4	34	U	350	34	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
N-Nitrosodi-n-propylamine	8.2	U	70	8.2	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Hexachloroethane	25	U	350	25	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Nitrobenzene	29	U	700	29	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Isophorone	26	U	350	26	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2-Nitrophenol	39	U	350	39	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2,4-Dimethylphenol	55	U	350	55	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Bis(2-chloroethoxy)methane	23	U	350	23	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2,4-Dichlorophenol	7.0	U	70	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Naphthalene	6.0	U	70	6.0	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
4-Chloroaniline	28	U	350	28	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Hexachlorobutadiene	7.8	U	70	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Caprolactam	260	U	1800	260	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
4-Chloro-3-methylphenol	32	U	350	32	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2-Methylnaphthalene	6.3	U	70	6.3	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Hexachlorocyclopentadiene	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2,4,5-Trichlorophenol	37	U	350	37	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2,4,6-Trichlorophenol	52	U	350	52	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
1,1'-Biphenyl	31	U	350	31	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2-Chloronaphthalene	7.3	U	70	7.3	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2-Nitroaniline	160	U	1800	160	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Dimethyl phthalate	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2,6-Dinitrotoluene	36	U	350	36	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Acenaphthylene	8.0	U	70	8.0	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
3-Nitroaniline	140	U	1800	140	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Acenaphthene	6.7	U	70	6.7	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1

Client Sample ID: TCHS-S4 5.5-6.0
Date Collected: 06/11/14 14:40
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-10
Matrix: Solid
Percent Solids: 95.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	420	U	1800	420	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
4-Nitrophenol	130	U	1800	130	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Dibenzofuran	34	U	350	34	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2,4-Dinitrotoluene	28	U	350	28	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Diethyl phthalate	38	U	350	38	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Fluorene	9.2	U	70	9.2	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
4-Chlorophenyl phenyl ether	39	U	350	39	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
4-Nitroaniline	140	U	1800	140	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
4,6-Dinitro-2-methylphenol	140	U	1800	140	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
N-Nitrosodiphenylamine	32	U	350	32	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
1,2,4,5-Tetrachlorobenzene	27	U	350	27	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
4-Bromophenyl phenyl ether	30	U	350	30	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Hexachlorobenzene	7.5	U	70	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Atrazine	34	U	350	34	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Pentachlorophenol	31	U	350	31	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Phenanthrene	11	U	70	11	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Anthracene	6.8	U	70	6.8	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Carbazole	6.4	U	70	6.4	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Di-n-butyl phthalate	44	U	350	44	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Fluoranthene	**12**	**J**	70	7.5	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Pyrene	**8.7**	**J**	70	7.1	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Butyl benzyl phthalate	**65**	**J**	350	48	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
3,3'-Dichlorobenzidine	37	U	350	37	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Benzo[a]anthracene	8.8	U	70	8.8	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Chrysene	8.3	U	70	8.3	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Bis(2-ethylhexyl) phthalate	**270**	**J**	700	57	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Di-n-octyl phthalate	37	U	350	37	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Benzo[b]fluoranthene	11	U	70	11	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Benzo[k]fluoranthene	14	U	70	14	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Benzo[a]pyrene	7.0	U	70	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Benzo[g,h,i]perylene	7.0	U	70	7.0	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Indeno[1,2,3-cd]pyrene	7.2	U	70	7.2	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
Dibenz(a,h)anthracene	7.8	U	70	7.8	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1
2,3,4,6-Tetrachlorophenol	22	U	350	22	ug/Kg	☼	06/18/14 03:05	06/19/14 18:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Heptadecane	*150*	*J N*	*ug/Kg*	☼	*9.99*	*629-78-7*	*06/18/14 03:05*	*06/19/14 18:09*	*1*
Unknown Amide	*380*	*J*	*ug/Kg*	☼	*10.46*		*06/18/14 03:05*	*06/19/14 18:09*	*1*
Unknown	*200*	*J*	*ug/Kg*	☼	*12.86*		*06/18/14 03:05*	*06/19/14 18:09*	*1*
Unknown	*710*	*J*	*ug/Kg*	☼	*13.42*		*06/18/14 03:05*	*06/19/14 18:09*	*1*
Unknown	*140*	*J*	*ug/Kg*	☼	*14.52*		*06/18/14 03:05*	*06/19/14 18:09*	*1*
Unknown	*620*	*J*	*ug/Kg*	☼	*15.87*		*06/18/14 03:05*	*06/19/14 18:09*	*1*
Unknown Straight Chain Alkane	*380*	*J*	*ug/Kg*	☼	*16.75*		*06/18/14 03:05*	*06/19/14 18:09*	*1*
Unknown Straight Chain Alkane	*290*	*J*	*ug/Kg*	☼	*18.16*		*06/18/14 03:05*	*06/19/14 18:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*47*		*25 - 104*	*06/18/14 03:05*	*06/19/14 18:09*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*06/18/14 03:05*	*06/19/14 18:09*	*1*
2-Fluorophenol (Surr)	*43*		*39 - 103*	*06/18/14 03:05*	*06/19/14 18:09*	*1*
2-Fluorobiphenyl	*51*		*35 - 105*	*06/18/14 03:05*	*06/19/14 18:09*	*1*

Client Sample ID: TCHS-S4 5.5-6.0
Date Collected: 06/11/14 14:40
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-10
Matrix: Solid
Percent Solids: 95.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*44*		*25 - 105*	*06/18/14 03:05*	*06/19/14 18:09*	*1*
Terphenyl-d14 (Surr)	*51*		*25 - 127*	*06/18/14 03:05*	*06/19/14 18:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.4	U	7.0	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
4,4'-DDE	1.4	U	7.0	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
4,4'-DDT	1.7	U	7.0	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Aldrin	1.5	U	7.0	1.5	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
alpha-BHC	1.6	U	7.0	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
beta-BHC	1.7	U	7.0	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Chlordane (technical)	20	U	70	20	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
delta-BHC	1.3	U	7.0	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Dieldrin	1.3	U	7.0	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Endosulfan I	1.6	U	7.0	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Endosulfan II	1.4	U	7.0	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Endosulfan sulfate	1.4	U	7.0	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Endrin	1.7	U	7.0	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Endrin aldehyde	1.0	U	7.0	1.0	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Endrin ketone	1.4	U	7.0	1.4	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
gamma-BHC (Lindane)	1.3	U	7.0	1.3	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Heptachlor	1.7	U	7.0	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Heptachlor epoxide	1.6	U	7.0	1.6	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Methoxychlor	1.7	U	7.0	1.7	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1
Toxaphene	19	U	70	19	ug/Kg	☼	06/12/14 07:34	06/12/14 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*76 - 149*	*06/12/14 07:34*	*06/12/14 23:00*	*1*
DCB Decachlorobiphenyl	*118*		*76 - 149*	*06/12/14 07:34*	*06/12/14 23:00*	*1*
Tetrachloro-m-xylene	*105*		*72 - 136*	*06/12/14 07:34*	*06/12/14 23:00*	*1*
Tetrachloro-m-xylene	*107*		*72 - 136*	*06/12/14 07:34*	*06/12/14 23:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	16	U	70	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Aroclor 1221	16	U	70	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Aroclor 1232	16	U	70	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Aroclor 1242	16	U	70	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Aroclor 1248	16	U	70	16	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Aroclor 1254	20	U	70	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Aroclor 1260	20	U	70	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Aroclor-1262	20	U	70	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Aroclor 1268	20	U	70	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1
Polychlorinated biphenyls, Total	20	U	70	20	ug/Kg	☼	06/12/14 07:26	06/13/14 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*53 - 150*	*06/12/14 07:26*	*06/13/14 04:58*	*1*
DCB Decachlorobiphenyl	*103*		*53 - 150*	*06/12/14 07:26*	*06/13/14 04:58*	*1*

Client Sample ID: TCHS-S4 5.5-6.0
Date Collected: 06/11/14 14:40
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-10
Matrix: Solid
Percent Solids: 95.4

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.3	U	18	2.3	ug/Kg	☼	06/13/14 18:33	06/14/14 21:42	1
Silvex (2,4,5-TP)	1.9	U	18	1.9	ug/Kg	☼	06/13/14 18:33	06/14/14 21:42	1
2,4,5-T	3.6	U	18	3.6	ug/Kg	☼	06/13/14 18:33	06/14/14 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*128*		*69 - 150*	*06/13/14 18:33*	*06/14/14 21:42*	*1*
2,4-Dichlorophenylacetic acid	*127*		*69 - 150*	*06/13/14 18:33*	*06/14/14 21:42*	*1*

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1
Total Aliphatics	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1
Total EPH	2.0	U	2.0	2.0	mg/Kg			06/17/14 07:41	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:47	1
C9-C12 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:47	1
C16-C21 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:47	1
C21-C40 Aliphatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:47	1
C16-C21 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:32	1
C10-C12 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:32	1
C12-C16 Aromatics	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:32	1
C21-C36 Aromatic	2.1	U	2.1	2.1	mg/Kg	☼	06/13/14 13:53	06/16/14 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:32*	*1*
2-Fluorobiphenyl	*94*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:32*	*1*
2-Bromonaphthalene	*81*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:32*	*1*
1-Chlorooctadecane	*75*		*40 - 140*	*06/13/14 13:53*	*06/16/14 12:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.38	U	2.0	0.38	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Aluminum	**3980**		39.6	21.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Arsenic	0.81	U	3.0	0.81	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Barium	**9.2**	**J**	39.6	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Beryllium	0.27	U	0.40	0.27	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Calcium	**356**	**J**	989	75.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Cadmium	0.28	U	0.79	0.28	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Cobalt	0.89	U	9.9	0.89	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Chromium	**14.8**		2.0	0.79	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Copper	**3.2**	**J**	4.9	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Iron	**4360**		29.7	24.6	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Potassium	**673**	**J**	989	27.3	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Magnesium	**486**	**J**	989	65.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Manganese	**55.4**		3.0	0.85	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Sodium	74.8	U	989	74.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Nickel	**3.6**	**J**	7.9	1.8	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Lead	**18.8**		2.0	0.81	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Antimony	1.5	U	4.0	1.5	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S4 5.5-6.0
Date Collected: 06/11/14 14:40
Date Received: 06/11/14 20:30

Lab Sample ID: 460-77617-10
Matrix: Solid
Percent Solids: 95.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.1	U	4.0	1.1	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Thallium	1.9	U	4.0	1.9	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Vanadium	**4.8**	**J**	9.9	0.82	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4
Zinc	**20.2**		5.9	1.7	mg/Kg	☼	06/19/14 06:56	06/20/14 14:29	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.017	0.012	mg/Kg	☼	06/18/14 06:30	06/18/14 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.6**		1.0	1.0	%			06/13/14 11:44	1
Percent Solids	**95.4**		1.0	1.0	%			06/13/14 11:44	1

Surrogate Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
460-77617-1	TCHS-S6-0-0.5	110	85	116	91
460-77617-2	TCHS-S6 9.5-10	109	85	116	89
460-77617-3	TCHS-S5 0-0.5	115	86	120	92
460-77617-4	TCHS-S5 9.5-10	110	84	115	89
460-77617-5	TCHS-S3 0-0.5	119	85	120	91
460-77617-6	TCHS-S3-9.5-10	112	87	118	92
460-77617-7	TCHS-S2 0-0.5	116	86	118	92
460-77617-8	TCHS-S2 9.5-10	110	85	116	90
460-77617-9	TCHS-S4 0-0.5	113	85	119	93
460-77617-10	TCHS-S4 5.5-6.0	109	85	115	91
LB3 460-230059/1-A	Method Blank	106	87	112	92
LCS 460-231801/3	Lab Control Sample	98	89	99	91
LCSD 460-231801/4	Lab Control Sample Dup	97	89	98	91
MB 460-231801/6	Method Blank	106	84	110	90

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	TBP	2FP	FBP	PHL	TPH
Lab Sample ID	Client Sample ID	(25-104)	(35-124)	(39-103)	(35-105)	(25-105)	(25-127)
460-77617-1	TCHS-S6-0-0.5	53	67	50	60	53	59
460-77617-2	TCHS-S6 9.5-10	50	56	48	53	51	56
460-77617-3	TCHS-S5 0-0.5	58	68	53	63	55	60
460-77617-4	TCHS-S5 9.5-10	53	63	49	55	51	61
460-77617-4 MS	TCHS-S5 9.5-10	59	72	55	65	57	62
460-77617-4 MSD	TCHS-S5 9.5-10	60	73	57	65	57	63
460-77617-5	TCHS-S3 0-0.5	66	83	59	74	64	68
460-77617-6	TCHS-S3-9.5-10	50	61	46	53	50	57
460-77617-7	TCHS-S2 0-0.5	57	62	55	61	56	56
460-77617-8	TCHS-S2 9.5-10	50	62	46	53	49	56
460-77617-9	TCHS-S4 0-0.5	55	63	49	58	51	54
460-77617-10	TCHS-S4 5.5-6.0	47	58	43	51	44	51
LCS 180-108827/2-A	Lab Control Sample	65	73	66	68	65	62
MB 180-108827/1-A	Method Blank	63	68	67	66	66	65

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(76-149)	(76-149)	(72-136)	(72-136)
460-77583-E-24-E MS	Matrix Spike	100	111	99	105
460-77583-E-24-F MSD	Matrix Spike Duplicate	111	125	113	118
460-77617-1	TCHS-S6-0-0.5	99	109	100	102
460-77617-2	TCHS-S6 9.5-10	111	124	114	116
460-77617-3	TCHS-S5 0-0.5	115	128	109	111
460-77617-4	TCHS-S5 9.5-10	104	117	106	109
460-77617-5	TCHS-S3 0-0.5	111	124	110	113
460-77617-6	TCHS-S3-9.5-10	110	124	111	114
460-77617-7	TCHS-S2 0-0.5	109	124	111	113
460-77617-8	TCHS-S2 9.5-10	109	122	110	112
460-77617-9	TCHS-S4 0-0.5	105	119	106	109
460-77617-10	TCHS-S4 5.5-6.0	105	118	105	107
LCS 460-230123/2-A	Lab Control Sample	107	119	108	113
MB 460-230123/1-A	Method Blank	106	119	106	108

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	DCB2
Lab Sample ID	Client Sample ID	(53-150)	(53-150)
460-77583-E-24-B MS	Matrix Spike	120	118
460-77583-E-24-C MSD	Matrix Spike Duplicate	123	118
460-77617-1	TCHS-S6-0-0.5	129	127
460-77617-2	TCHS-S6 9.5-10	123	129
460-77617-3	TCHS-S5 0-0.5	134	131
460-77617-4	TCHS-S5 9.5-10	128	128
460-77617-5	TCHS-S3 0-0.5	125	123
460-77617-6	TCHS-S3-9.5-10	132	133
460-77617-7	TCHS-S2 0-0.5	129	128
460-77617-8	TCHS-S2 9.5-10	128	130
460-77617-9	TCHS-S4 0-0.5	127	126
460-77617-10	TCHS-S4 5.5-6.0	106	103
LCS 460-230119/2-A	Lab Control Sample	118	115
MB 460-230119/1-A	Method Blank	108	112

Surrogate Legend

DCB = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1	DCPA2
Lab Sample ID	Client Sample ID	(69-150)	(69-150)
460-77515-F-1-B MS	Matrix Spike	133	134

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCPA1 (69-150)	DCPA2 (69-150)								
460-77515-F-1-C MSD	Matrix Spike Duplicate	124	129								
460-77617-1	TCHS-S6-0-0.5	146	149								
460-77617-2	TCHS-S6 9.5-10	148	140								
460-77617-3	TCHS-S5 0-0.5	147	149								
460-77617-4	TCHS-S5 9.5-10	142	143								
460-77617-5	TCHS-S3 0-0.5	137	138								
460-77617-6	TCHS-S3-9.5-10	142	136								
460-77617-7	TCHS-S2 0-0.5	148	150								
460-77617-8	TCHS-S2 9.5-10	149	147								
460-77617-9	TCHS-S4 0-0.5	125	140								
460-77617-10	TCHS-S4 5.5-6.0	128	127								
460-77617-10 MS	TCHS-S4 5.5-6.0	133	127								
460-77617-10 MSD	TCHS-S4 5.5-6.0	133	128								
LCS 460-230333/2-A	Lab Control Sample	131	129								
LCS 460-230588/2-A	Lab Control Sample	131	123								
MB 460-230333/1-A	Method Blank	131	139								
MB 460-230588/1-A	Method Blank	134	134								

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	OTPH1 (40-140)	FBP1 (40-140)	2BN1 (40-140)	1COD1 (40-140)						
460-77515-F-2-A MS	Matrix Spike	77	87	75	48						
460-77515-F-2-B MSD	Matrix Spike Duplicate	74	85	68	49						
460-77617-1	TCHS-S6-0-0.5	67	89	79	43						
460-77617-2	TCHS-S6 9.5-10	70	92	81	45						
460-77617-3	TCHS-S5 0-0.5	69	91	79	44						
460-77617-4	TCHS-S5 9.5-10	74	91	78	44						
460-77617-5	TCHS-S3 0-0.5	75	98	88							
460-77617-5	TCHS-S3 0-0.5				52						
460-77617-6	TCHS-S3-9.5-10				61						
460-77617-6	TCHS-S3-9.5-10	64	70	56							
460-77617-6 MS	TCHS-S3-9.5-10				84						
460-77617-6 MS	TCHS-S3-9.5-10	77	71	56							
460-77617-6 MSD	TCHS-S3-9.5-10				84						
460-77617-6 MSD	TCHS-S3-9.5-10	69	64	49							
460-77617-7	TCHS-S2 0-0.5				66						
460-77617-7	TCHS-S2 0-0.5	94	97	83							
460-77617-8	TCHS-S2 9.5-10				68						
460-77617-8	TCHS-S2 9.5-10	96	95	83							
460-77617-9	TCHS-S4 0-0.5				61						
460-77617-9	TCHS-S4 0-0.5	87	96	83							
460-77617-10	TCHS-S4 5.5-6.0				75						
460-77617-10	TCHS-S4 5.5-6.0	102	94	81							

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		OTPH1	FBP1	2BN1	1COD1
Lab Sample ID	Client Sample ID	(40-140)	(40-140)	(40-140)	(40-140)
LCS 460-230216/2-A	Lab Control Sample	100	86	71	61
LCS 460-230520/2-A	Lab Control Sample				106
LCS 460-230520/2-A	Lab Control Sample	105	77	62	
MB 460-230216/1-A	Method Blank	96	92	61	72
MB 460-230520/1-A	Method Blank				82
MB 460-230520/1-A	Method Blank	97	66	53	

Surrogate Legend

OTPH = o-Terphenyl
FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
1COD = 1-Chlorooctadecane

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 460-230059/1-A
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230059

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.13	U	1.0	0.13	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	1.0	0.11	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,1,2-Trichloroethane	0.14	U	1.0	0.14	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,2,3-Trichlorobenzene	0.16	U	1.0	0.16	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,2,4-Trichlorobenzene	0.19	U	1.0	0.19	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,3-Dichlorobenzene	0.16	U	1.0	0.16	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,4-Dichlorobenzene	0.11	U	1.0	0.11	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,4-Dioxane	13	U	20	13	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
2-Butanone (MEK)	0.63	U	5.0	0.63	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
2-Hexanone	0.13	U	5.0	0.13	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
4-Methyl-2-pentanone (MIBK)	0.20	U	5.0	0.20	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Acetone	7.17		5.0	1.7	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Benzene	0.15	U	1.0	0.15	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Bromoform	0.17	U	1.0	0.17	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Bromomethane	0.43	U	1.0	0.43	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Carbon disulfide	0.15	U	1.0	0.15	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Chlorobenzene	0.18	U	1.0	0.18	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Chlorobromomethane	0.11	U	1.0	0.11	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Chlorodibromomethane	0.10	U	1.0	0.10	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Chloroethane	0.33	U	1.0	0.33	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Chloroform	0.24	U	1.0	0.24	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Chloromethane	0.16	U	1.0	0.16	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
cis-1,2-Dichloroethene	0.11	U	1.0	0.11	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Cyclohexane	0.13	U	1.0	0.13	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Dichlorobromomethane	0.32	U	1.0	0.32	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Dichlorodifluoromethane	0.22	U	1.0	0.22	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Ethylbenzene	0.17	U	1.0	0.17	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Ethylene Dibromide	0.15	U	1.0	0.15	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Isopropylbenzene	0.11	U	1.0	0.11	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Methyl acetate	0.32	U	5.0	0.32	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Methyl tert-butyl ether	0.11	U	1.0	0.11	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Methylcyclohexane	0.10	U	1.0	0.10	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Methylene Chloride	0.15	U	1.0	0.15	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
m-Xylene & p-Xylene	0.59	U	1.0	0.59	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
o-Xylene	0.19	U	1.0	0.19	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Styrene	0.28	U	1.0	0.28	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Toluene	0.14	U	1.0	0.14	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
trans-1,2-Dichloroethene	0.13	U	1.0	0.13	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
2-Methyl-2-propanol	3.1	U	10	3.1	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
trans-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Trichloroethene	0.12	U	1.0	0.12	ug/Kg		06/11/14 22:20	06/20/14 07:56	1

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

Lab Sample ID: LB3 460-230059/1-A
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230059

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.16	U	1.0	0.16	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
Vinyl chloride	0.34	U	1.0	0.34	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,2-Dichloroethane	0.18	U	1.0	0.18	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,2-Dichlorobenzene	0.10	U	1.0	0.10	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44	ug/Kg		06/11/14 22:20	06/20/14 07:56	1
1,1,1,2-Tetrachloroethane	0.11	U	1.0	0.11	ug/Kg		06/11/14 22:20	06/20/14 07:56	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*06/11/14 22:20*	*06/20/14 07:56*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*06/11/14 22:20*	*06/20/14 07:56*	*1*
4-Bromofluorobenzene	*87*		*70 - 130*	*06/11/14 22:20*	*06/20/14 07:56*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*	*06/11/14 22:20*	*06/20/14 07:56*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*06/11/14 22:20*	*06/20/14 07:56*	*1*

Lab Sample ID: MB 460-231801/6
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.13	U	1.0	0.13	ug/Kg			06/20/14 07:29	1
1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090	ug/Kg			06/20/14 07:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	1.0	0.11	ug/Kg			06/20/14 07:29	1
1,1,2-Trichloroethane	0.14	U	1.0	0.14	ug/Kg			06/20/14 07:29	1
1,1-Dichloroethane	0.11	U	1.0	0.11	ug/Kg			06/20/14 07:29	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/Kg			06/20/14 07:29	1
1,2,3-Trichlorobenzene	0.16	U	1.0	0.16	ug/Kg			06/20/14 07:29	1
1,2,4-Trichlorobenzene	0.19	U	1.0	0.19	ug/Kg			06/20/14 07:29	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/Kg			06/20/14 07:29	1
1,3-Dichlorobenzene	0.16	U	1.0	0.16	ug/Kg			06/20/14 07:29	1
1,4-Dichlorobenzene	0.11	U	1.0	0.11	ug/Kg			06/20/14 07:29	1
1,4-Dioxane	13	U	20	13	ug/Kg			06/20/14 07:29	1
2-Butanone (MEK)	0.63	U	5.0	0.63	ug/Kg			06/20/14 07:29	1
2-Hexanone	0.13	U	5.0	0.13	ug/Kg			06/20/14 07:29	1
4-Methyl-2-pentanone (MIBK)	0.20	U	5.0	0.20	ug/Kg			06/20/14 07:29	1
Acetone	6.42		5.0	1.7	ug/Kg			06/20/14 07:29	1
Benzene	0.15	U	1.0	0.15	ug/Kg			06/20/14 07:29	1
Bromoform	0.17	U	1.0	0.17	ug/Kg			06/20/14 07:29	1
Bromomethane	0.43	U	1.0	0.43	ug/Kg			06/20/14 07:29	1
Carbon disulfide	0.15	U	1.0	0.15	ug/Kg			06/20/14 07:29	1
Carbon tetrachloride	0.15	U	1.0	0.15	ug/Kg			06/20/14 07:29	1
Chlorobenzene	0.18	U	1.0	0.18	ug/Kg			06/20/14 07:29	1
Chlorobromomethane	0.11	U	1.0	0.11	ug/Kg			06/20/14 07:29	1
Chlorodibromomethane	0.10	U	1.0	0.10	ug/Kg			06/20/14 07:29	1
Chloroethane	0.33	U	1.0	0.33	ug/Kg			06/20/14 07:29	1
Chloroform	0.24	U	1.0	0.24	ug/Kg			06/20/14 07:29	1

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

Lab Sample ID: MB 460-231801/6
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.16	U	1.0	0.16	ug/Kg			06/20/14 07:29	1
cis-1,2-Dichloroethene	0.11	U	1.0	0.11	ug/Kg			06/20/14 07:29	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/Kg			06/20/14 07:29	1
Cyclohexane	0.13	U	1.0	0.13	ug/Kg			06/20/14 07:29	1
Dichlorobromomethane	0.32	U	1.0	0.32	ug/Kg			06/20/14 07:29	1
Dichlorodifluoromethane	0.22	U	1.0	0.22	ug/Kg			06/20/14 07:29	1
Ethylbenzene	0.17	U	1.0	0.17	ug/Kg			06/20/14 07:29	1
Ethylene Dibromide	0.15	U	1.0	0.15	ug/Kg			06/20/14 07:29	1
Isopropylbenzene	0.11	U	1.0	0.11	ug/Kg			06/20/14 07:29	1
Methyl acetate	0.32	U	5.0	0.32	ug/Kg			06/20/14 07:29	1
Methyl tert-butyl ether	0.11	U	1.0	0.11	ug/Kg			06/20/14 07:29	1
Methylcyclohexane	0.10	U	1.0	0.10	ug/Kg			06/20/14 07:29	1
Methylene Chloride	0.15	U	1.0	0.15	ug/Kg			06/20/14 07:29	1
m-Xylene & p-Xylene	0.59	U	1.0	0.59	ug/Kg			06/20/14 07:29	1
o-Xylene	0.19	U	1.0	0.19	ug/Kg			06/20/14 07:29	1
Styrene	0.28	U	1.0	0.28	ug/Kg			06/20/14 07:29	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/Kg			06/20/14 07:29	1
Toluene	0.14	U	1.0	0.14	ug/Kg			06/20/14 07:29	1
trans-1,2-Dichloroethene	0.13	U	1.0	0.13	ug/Kg			06/20/14 07:29	1
2-Methyl-2-propanol	3.1	U	10	3.1	ug/Kg			06/20/14 07:29	1
trans-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/Kg			06/20/14 07:29	1
Trichloroethene	0.12	U	1.0	0.12	ug/Kg			06/20/14 07:29	1
Trichlorofluoromethane	0.16	U	1.0	0.16	ug/Kg			06/20/14 07:29	1
Vinyl chloride	0.34	U	1.0	0.34	ug/Kg			06/20/14 07:29	1
1,2-Dichloroethane	0.18	U	1.0	0.18	ug/Kg			06/20/14 07:29	1
1,2-Dichlorobenzene	0.10	U	1.0	0.10	ug/Kg			06/20/14 07:29	1
1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44	ug/Kg			06/20/14 07:29	1
1,1,1,2-Tetrachloroethane	0.11	U	1.0	0.11	ug/Kg			06/20/14 07:29	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*					*06/20/14 07:29*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/20/14 07:29*	*1*
4-Bromofluorobenzene	*84*		*70 - 130*		*06/20/14 07:29*	*1*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*06/20/14 07:29*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*		*06/20/14 07:29*	*1*

Lab Sample ID: LCS 460-231801/3
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	21.0		ug/Kg		105	82 - 129
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/Kg		107	66 - 121
1,1,2-Trichloro-1,2,2-trifluoroetha ne	20.0	20.9		ug/Kg		104	73 - 134
1,1,2-Trichloroethane	20.0	20.4		ug/Kg		102	74 - 116

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

Lab Sample ID: LCS 460-231801/3
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	21.8		ug/Kg		109	78 - 125
1,1-Dichloroethene	20.0	20.7		ug/Kg		103	74 - 128
1,2,3-Trichlorobenzene	20.0	18.8		ug/Kg		94	81 - 123
1,2,4-Trichlorobenzene	20.0	18.5		ug/Kg		93	81 - 127
1,2-Dichloropropane	20.0	20.2		ug/Kg		101	72 - 123
1,3-Dichlorobenzene	20.0	19.4		ug/Kg		97	78 - 120
1,4-Dichlorobenzene	20.0	19.1		ug/Kg		96	77 - 120
1,4-Dioxane	400	417		ug/Kg		104	69 - 142
2-Butanone (MEK)	100	89.0		ug/Kg		89	58 - 140
2-Hexanone	100	104		ug/Kg		104	52 - 134
4-Methyl-2-pentanone (MIBK)	100	109		ug/Kg		109	55 - 133
Acetone	100	92.3		ug/Kg		92	58 - 139
Benzene	20.0	20.4		ug/Kg		102	75 - 123
Bromoform	20.0	20.0		ug/Kg		100	70 - 130
Bromomethane	20.0	18.1		ug/Kg		90	62 - 150
Carbon disulfide	20.0	22.0		ug/Kg		110	73 - 127
Carbon tetrachloride	20.0	20.6		ug/Kg		103	77 - 137
Chlorobenzene	20.0	18.9		ug/Kg		94	80 - 120
Chlorobromomethane	20.0	20.9		ug/Kg		104	82 - 127
Chlorodibromomethane	20.0	19.9		ug/Kg		100	74 - 124
Chloroethane	20.0	20.1		ug/Kg		101	60 - 140
Chloroform	20.0	21.5		ug/Kg		107	77 - 122
Chloromethane	20.0	19.6		ug/Kg		98	48 - 144
cis-1,2-Dichloroethene	20.0	20.4		ug/Kg		102	82 - 121
cis-1,3-Dichloropropene	20.0	19.1		ug/Kg		96	75 - 119
Cyclohexane	20.0	20.5		ug/Kg		102	66 - 128
Dichlorobromomethane	20.0	20.6		ug/Kg		103	77 - 122
Dichlorodifluoromethane	20.0	19.7		ug/Kg		99	52 - 145
Ethylbenzene	20.0	18.0		ug/Kg		90	80 - 120
Ethylene Dibromide	20.0	19.3		ug/Kg		96	78 - 117
Isopropylbenzene	20.0	18.9		ug/Kg		94	80 - 120
Methyl acetate	100	122		ug/Kg		122	61 - 137
Methyl tert-butyl ether	20.0	20.6		ug/Kg		103	75 - 124
Methylcyclohexane	20.0	20.3		ug/Kg		101	80 - 125
Methylene Chloride	20.0	22.2		ug/Kg		111	75 - 124
m-Xylene & p-Xylene	20.0	17.7		ug/Kg		89	79 - 120
o-Xylene	20.0	18.6		ug/Kg		93	77 - 120
Styrene	20.0	19.4		ug/Kg		97	78 - 120
Tetrachloroethene	20.0	18.7		ug/Kg		94	80 - 127
Toluene	20.0	19.0		ug/Kg		95	82 - 117
trans-1,2-Dichloroethene	20.0	21.2		ug/Kg		106	83 - 124
2-Methyl-2-propanol	200	201		ug/Kg		101	70 - 124
trans-1,3-Dichloropropene	20.0	18.7		ug/Kg		93	74 - 119
Trichloroethene	20.0	19.7		ug/Kg		99	78 - 122
Trichlorofluoromethane	20.0	19.2		ug/Kg		96	63 - 147
Vinyl chloride	20.0	19.7		ug/Kg		99	62 - 132
1,2-Dichloroethane	20.0	21.7		ug/Kg		108	79 - 120
1,2-Dichlorobenzene	20.0	19.5		ug/Kg		98	77 - 120

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

Lab Sample ID: LCS 460-231801/3
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromo-3-Chloropropane			20.0	22.5		ug/Kg		112	61 - 125		
1,1,1,2-Tetrachloroethane			20.0	19.6		ug/Kg		98	77 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene	*89*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 460-231801/4
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	20.0		ug/Kg		100	82 - 129	5	30
1,1,2,2-Tetrachloroethane			20.0	20.1		ug/Kg		101	66 - 121	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	19.9		ug/Kg		100	73 - 134	5	30
1,1,2-Trichloroethane			20.0	19.4		ug/Kg		97	74 - 116	5	30
1,1-Dichloroethane			20.0	20.9		ug/Kg		105	78 - 125	4	30
1,1-Dichloroethene			20.0	20.3		ug/Kg		101	74 - 128	2	30
1,2,3-Trichlorobenzene			20.0	18.2		ug/Kg		91	81 - 123	3	30
1,2,4-Trichlorobenzene			20.0	18.1		ug/Kg		90	81 - 127	3	30
1,2-Dichloropropane			20.0	19.2		ug/Kg		96	72 - 123	5	30
1,3-Dichlorobenzene			20.0	18.9		ug/Kg		94	78 - 120	3	30
1,4-Dichlorobenzene			20.0	18.3		ug/Kg		92	77 - 120	4	30
1,4-Dioxane			400	389		ug/Kg		97	69 - 142	7	30
2-Butanone (MEK)			100	91.6		ug/Kg		92	58 - 140	3	30
2-Hexanone			100	102		ug/Kg		102	52 - 134	2	30
4-Methyl-2-pentanone (MIBK)			100	108		ug/Kg		108	55 - 133	1	30
Acetone			100	88.5		ug/Kg		88	58 - 139	4	30
Benzene			20.0	19.8		ug/Kg		99	75 - 123	3	30
Bromoform			20.0	18.8		ug/Kg		94	70 - 130	6	30
Bromomethane			20.0	18.1		ug/Kg		91	62 - 150	0	30
Carbon disulfide			20.0	21.2		ug/Kg		106	73 - 127	3	30
Carbon tetrachloride			20.0	20.0		ug/Kg		100	77 - 137	3	30
Chlorobenzene			20.0	18.1		ug/Kg		91	80 - 120	4	30
Chlorobromomethane			20.0	20.7		ug/Kg		104	82 - 127	1	30
Chlorodibromomethane			20.0	19.0		ug/Kg		95	74 - 124	4	30
Chloroethane			20.0	19.5		ug/Kg		98	60 - 140	3	30
Chloroform			20.0	20.6		ug/Kg		103	77 - 122	4	30
Chloromethane			20.0	19.5		ug/Kg		97	48 - 144	1	30
cis-1,2-Dichloroethene			20.0	20.2		ug/Kg		101	82 - 121	1	30
cis-1,3-Dichloropropene			20.0	18.5		ug/Kg		93	75 - 119	3	30
Cyclohexane			20.0	20.4		ug/Kg		102	66 - 128	0	30
Dichlorobromomethane			20.0	19.7		ug/Kg		99	77 - 122	5	30
Dichlorodifluoromethane			20.0	19.3		ug/Kg		97	52 - 145	2	30
Ethylbenzene			20.0	17.4		ug/Kg		87	80 - 120	4	30

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

Lab Sample ID: LCSD 460-231801/4
Matrix: Solid
Analysis Batch: 231801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide			20.0	18.9		ug/Kg		95	78 - 117	2	30
Isopropylbenzene			20.0	18.4		ug/Kg		92	80 - 120	2	30
Methyl acetate			100	118		ug/Kg		118	61 - 137	3	30
Methyl tert-butyl ether			20.0	20.3		ug/Kg		102	75 - 124	1	30
Methylcyclohexane			20.0	19.7		ug/Kg		99	80 - 125	3	30
Methylene Chloride			20.0	21.3		ug/Kg		107	75 - 124	4	30
m-Xylene & p-Xylene			20.0	17.1		ug/Kg		85	79 - 120	4	30
o-Xylene			20.0	17.9		ug/Kg		90	77 - 120	4	30
Styrene			20.0	18.5		ug/Kg		93	78 - 120	5	30
Tetrachloroethene			20.0	18.3		ug/Kg		91	80 - 127	2	30
Toluene			20.0	18.4		ug/Kg		92	82 - 117	3	30
trans-1,2-Dichloroethene			20.0	20.4		ug/Kg		102	83 - 124	4	30
2-Methyl-2-propanol			200	194		ug/Kg		97	70 - 124	4	30
trans-1,3-Dichloropropene			20.0	18.0		ug/Kg		90	74 - 119	4	30
Trichloroethene			20.0	19.0		ug/Kg		95	78 - 122	4	30
Trichlorofluoromethane			20.0	18.7		ug/Kg		93	63 - 147	3	30
Vinyl chloride			20.0	19.4		ug/Kg		97	62 - 132	2	30
1,2-Dichloroethane			20.0	20.6		ug/Kg		103	79 - 120	5	30
1,2-Dichlorobenzene			20.0	18.8		ug/Kg		94	77 - 120	4	30
1,2-Dibromo-3-Chloropropane			20.0	22.4		ug/Kg		112	61 - 125	0	30
1,1,1,2-Tetrachloroethane			20.0	18.8		ug/Kg		94	77 - 124	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene	*89*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*91*		*70 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-108827/1-A
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	50	U	330	50	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Phenol	7.9	U	67	7.9	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Bis(2-chloroethyl)ether	9.0	U	67	9.0	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2-Chlorophenol	27	U	330	27	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2-Methylphenol	23	U	330	23	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2,2'-oxybis[1-chloropropane]	7.2	U	67	7.2	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Acetophenone	27	U	330	27	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Methylphenol, 3 & 4	33	U	330	33	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
N-Nitrosodi-n-propylamine	7.8	U	67	7.8	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Hexachloroethane	24	U	330	24	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Nitrobenzene	28	U	670	28	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Isophorone	25	U	330	25	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2-Nitrophenol	37	U	330	37	ug/Kg		06/18/14 03:05	06/19/14 12:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-108827/1-A
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	52	U	330	52	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Bis(2-chloroethoxy)methane	22	U	330	22	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2,4-Dichlorophenol	6.7	U	67	6.7	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Naphthalene	5.7	U	67	5.7	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
4-Chloroaniline	27	U	330	27	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Hexachlorobutadiene	7.5	U	67	7.5	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Caprolactam	250	U	1700	250	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
4-Chloro-3-methylphenol	31	U	330	31	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2-Methylnaphthalene	6.0	U	67	6.0	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Hexachlorocyclopentadiene	36	U	330	36	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2,4,5-Trichlorophenol	36	U	330	36	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2,4,6-Trichlorophenol	50	U	330	50	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
1,1'-Biphenyl	30	U	330	30	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2-Chloronaphthalene	7.0	U	67	7.0	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2-Nitroaniline	150	U	1700	150	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Dimethyl phthalate	36	U	330	36	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2,6-Dinitrotoluene	34	U	330	34	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Acenaphthylene	7.6	U	67	7.6	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
3-Nitroaniline	140	U	1700	140	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Acenaphthene	6.4	U	67	6.4	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2,4-Dinitrophenol	400	U	1700	400	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
4-Nitrophenol	120	U	1700	120	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Dibenzofuran	33	U	330	33	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2,4-Dinitrotoluene	27	U	330	27	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Diethyl phthalate	36	U	330	36	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Fluorene	8.8	U	67	8.8	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
4-Chlorophenyl phenyl ether	37	U	330	37	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
4-Nitroaniline	140	U	1700	140	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
4,6-Dinitro-2-methylphenol	130	U	1700	130	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
N-Nitrosodiphenylamine	31	U	330	31	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
1,2,4,5-Tetrachlorobenzene	25	U	330	25	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
4-Bromophenyl phenyl ether	29	U	330	29	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Hexachlorobenzene	7.1	U	67	7.1	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Atrazine	32	U	330	32	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Pentachlorophenol	30	U	330	30	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Phenanthrene	11	U	67	11	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Anthracene	6.5	U	67	6.5	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Carbazole	6.1	U	67	6.1	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Di-n-butyl phthalate	42	U	330	42	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Fluoranthene	7.1	U	67	7.1	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Pyrene	6.7	U	67	6.7	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Butyl benzyl phthalate	46	U	330	46	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
3,3'-Dichlorobenzidine	35	U	330	35	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Benzo[a]anthracene	8.4	U	67	8.4	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Chrysene	7.9	U	67	7.9	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Bis(2-ethylhexyl) phthalate	54	U	670	54	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Di-n-octyl phthalate	35	U	330	35	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Benzo[b]fluoranthene	10	U	67	10	ug/Kg		06/18/14 03:05	06/19/14 12:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-108827/1-A
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	13	U	67	13	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Benzo[a]pyrene	6.7	U	67	6.7	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Benzo[g,h,i]perylene	6.6	U	67	6.6	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Indeno[1,2,3-cd]pyrene	6.9	U	67	6.9	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
Dibenz(a,h)anthracene	7.4	U	67	7.4	ug/Kg		06/18/14 03:05	06/19/14 12:20	1
2,3,4,6-Tetrachlorophenol	21	U	330	21	ug/Kg		06/18/14 03:05	06/19/14 12:20	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*06/18/14 03:05*	*06/19/14 12:20*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*06/18/14 03:05*	*06/19/14 12:20*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*06/18/14 03:05*	*06/19/14 12:20*	*1*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*06/18/14 03:05*	*06/19/14 12:20*	*1*
2-Fluorobiphenyl	*66*		*35 - 105*	*06/18/14 03:05*	*06/19/14 12:20*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*06/18/14 03:05*	*06/19/14 12:20*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 127*	*06/18/14 03:05*	*06/19/14 12:20*	*1*

Lab Sample ID: LCS 180-108827/2-A
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	6670	5710		ug/Kg		86	30 - 150
Phenol	6670	4230		ug/Kg		63	41 - 102
Bis(2-chloroethyl)ether	6670	4400		ug/Kg		66	38 - 99
2-Chlorophenol	6670	4160		ug/Kg		62	40 - 101
2-Methylphenol	6670	4280		ug/Kg		64	40 - 104
2,2'-oxybis[1-chloropropane]	6670	3930		ug/Kg		59	36 - 101
Acetophenone	6670	3790		ug/Kg		57	30 - 150
Methylphenol, 3 & 4	6670	4170		ug/Kg		63	42 - 105
N-Nitrosodi-n-propylamine	6670	4100		ug/Kg		61	42 - 107
Hexachloroethane	6670	4300		ug/Kg		65	37 - 97
Nitrobenzene	6670	4350		ug/Kg		65	43 - 104
Isophorone	6670	4370		ug/Kg		66	47 - 110
2-Nitrophenol	6670	4530		ug/Kg		68	46 - 106
2,4-Dimethylphenol	6670	4420		ug/Kg		66	44 - 105
Bis(2-chloroethoxy)methane	6670	4300		ug/Kg		64	44 - 101
2,4-Dichlorophenol	6670	4310		ug/Kg		65	47 - 105
Naphthalene	6670	4340		ug/Kg		65	43 - 100
4-Chloroaniline	6670	4270		ug/Kg		64	25 - 108
Hexachlorobutadiene	6670	4410		ug/Kg		66	43 - 107
Caprolactam	6670	4480		ug/Kg		67	30 - 150
4-Chloro-3-methylphenol	6670	4300		ug/Kg		65	47 - 109
2-Methylnaphthalene	6670	4190		ug/Kg		63	45 - 100
Hexachlorocyclopentadiene	6670	4940		ug/Kg		74	23 - 129
2,4,5-Trichlorophenol	6670	4880		ug/Kg		73	48 - 108

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-108827/2-A
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	6670	4760		ug/Kg		71	50 - 106
1,1'-Biphenyl	6670	4470		ug/Kg		67	30 - 150
2-Chloronaphthalene	6670	4130		ug/Kg		62	46 - 101
2-Nitroaniline	6670	4630		ug/Kg		69	45 - 117
Dimethyl phthalate	6670	4300		ug/Kg		64	49 - 111
2,6-Dinitrotoluene	6670	4630		ug/Kg		69	50 - 122
Acenaphthylene	6670	4530		ug/Kg		68	49 - 114
3-Nitroaniline	6670	4340		ug/Kg		65	34 - 122
Acenaphthene	6670	4550		ug/Kg		68	47 - 104
2,4-Dinitrophenol	13300	8860		ug/Kg		66	10 - 146
4-Nitrophenol	13300	9320		ug/Kg		70	36 - 127
Dibenzofuran	6670	4350		ug/Kg		65	46 - 104
2,4-Dinitrotoluene	6670	4520		ug/Kg		68	45 - 124
Diethyl phthalate	6670	4370		ug/Kg		66	47 - 115
Fluorene	6670	4450		ug/Kg		67	46 - 109
4-Chlorophenyl phenyl ether	6670	4290		ug/Kg		64	47 - 109
4-Nitroaniline	6670	4760		ug/Kg		71	38 - 123
4,6-Dinitro-2-methylphenol	13300	8880		ug/Kg		67	24 - 134
N-Nitrosodiphenylamine	6670	4350		ug/Kg		65	44 - 111
1,2,4,5-Tetrachlorobenzene	6670	4560		ug/Kg		68	30 - 125
4-Bromophenyl phenyl ether	6670	4490		ug/Kg		67	47 - 110
Hexachlorobenzene	6670	4500		ug/Kg		68	47 - 108
Atrazine	6670	9680		ug/Kg		145	30 - 150
Pentachlorophenol	13300	9110		ug/Kg		68	17 - 122
Phenanthrene	6670	4440		ug/Kg		67	43 - 108
Anthracene	6670	4490		ug/Kg		67	45 - 112
Carbazole	6670	4520		ug/Kg		68	45 - 114
Di-n-butyl phthalate	6670	4380		ug/Kg		66	43 - 121
Fluoranthene	6670	4470		ug/Kg		67	40 - 120
Pyrene	6670	4210		ug/Kg		63	41 - 115
Butyl benzyl phthalate	6670	4280		ug/Kg		64	41 - 118
3,3'-Dichlorobenzidine	6670	4410		ug/Kg		66	19 - 122
Benzo[a]anthracene	6670	4440		ug/Kg		67	47 - 110
Chrysene	6670	4530		ug/Kg		68	46 - 111
Bis(2-ethylhexyl) phthalate	6670	4190		ug/Kg		63	40 - 122
Di-n-octyl phthalate	6670	3890		ug/Kg		58	33 - 129
Benzo[b]fluoranthene	6670	4090		ug/Kg		61	41 - 107
Benzo[k]fluoranthene	6670	4130		ug/Kg		62	44 - 115
Benzo[a]pyrene	6670	4280		ug/Kg		64	47 - 112
Benzo[g,h,i]perylene	6670	4930		ug/Kg		74	38 - 126
Indeno[1,2,3-cd]pyrene	6670	4720		ug/Kg		71	41 - 125
Dibenz(a,h)anthracene	6670	4850		ug/Kg		73	39 - 127
2,3,4,6-Tetrachlorophenol	6670	4440		ug/Kg		67	38 - 113

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 124*
2-Fluorophenol (Surr)	*66*		*39 - 103*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-108827/2-A
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108827

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*35 - 105*
Phenol-d5 (Surr)	*65*		*25 - 105*
Terphenyl-d14 (Surr)	*62*		*25 - 127*

Lab Sample ID: 460-77617-4 MS
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: TCHS-S5 9.5-10
Prep Type: Total/NA
Prep Batch: 108827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	54	U	7130	1670	F1	ug/Kg	☼	23	30 - 150
Phenol	8.4	U	7130	4020		ug/Kg	☼	56	41 - 102
Bis(2-chloroethyl)ether	9.6	U	7130	3950		ug/Kg	☼	55	38 - 99
2-Chlorophenol	29	U	7130	4010		ug/Kg	☼	56	40 - 101
2-Methylphenol	25	U	7130	4020		ug/Kg	☼	56	40 - 104
2,2'-oxybis[1-chloropropane]	7.7	U	7130	3620		ug/Kg	☼	51	36 - 101
Acetophenone	29	U	7130	3720		ug/Kg	☼	52	30 - 150
Methylphenol, 3 & 4	35	U	7130	4000		ug/Kg	☼	56	42 - 105
N-Nitrosodi-n-propylamine	8.4	U	7130	3930		ug/Kg	☼	55	42 - 107
Hexachloroethane	26	U	7130	4080		ug/Kg	☼	57	37 - 97
Nitrobenzene	30	U	7130	4310		ug/Kg	☼	60	43 - 104
Isophorone	27	U	7130	4380		ug/Kg	☼	61	47 - 110
2-Nitrophenol	39	U	7130	4400		ug/Kg	☼	62	46 - 106
2,4-Dimethylphenol	56	U	7130	4180		ug/Kg	☼	59	44 - 105
Bis(2-chloroethoxy)methane	23	U	7130	4260		ug/Kg	☼	60	44 - 101
2,4-Dichlorophenol	7.2	U	7130	4490		ug/Kg	☼	63	47 - 105
Naphthalene	6.2	U	7130	4250		ug/Kg	☼	60	43 - 100
4-Chloroaniline	29	U	7130	3930		ug/Kg	☼	55	25 - 108
Hexachlorobutadiene	8.0	U	7130	4320		ug/Kg	☼	60	43 - 107
Caprolactam	270	U	7130	4610		ug/Kg	☼	65	30 - 150
4-Chloro-3-methylphenol	33	U	7130	4670		ug/Kg	☼	65	47 - 109
2-Methylnaphthalene	6.4	U	7130	4230		ug/Kg	☼	59	45 - 100
Hexachlorocyclopentadiene	38	U	7130	4710		ug/Kg	☼	66	23 - 129
2,4,5-Trichlorophenol	38	U	7130	5360		ug/Kg	☼	75	48 - 108
2,4,6-Trichlorophenol	53	U	7130	5100		ug/Kg	☼	71	50 - 106
1,1'-Biphenyl	32	U	7130	4720		ug/Kg	☼	66	30 - 150
2-Chloronaphthalene	7.5	U	7130	4360		ug/Kg	☼	61	46 - 101
2-Nitroaniline	160	U	7130	5190		ug/Kg	☼	73	45 - 117
Dimethyl phthalate	39	U	7130	4990		ug/Kg	☼	70	49 - 111
2,6-Dinitrotoluene	37	U	7130	5190		ug/Kg	☼	73	50 - 122
Acenaphthylene	8.2	U	7130	4930		ug/Kg	☼	69	49 - 114
3-Nitroaniline	150	U	7130	4780		ug/Kg	☼	67	34 - 122
Acenaphthene	6.9	U	7130	4900		ug/Kg	☼	69	47 - 104
2,4-Dinitrophenol	430	U	14300	7930		ug/Kg	☼	56	10 - 146
4-Nitrophenol	130	U	14300	10200		ug/Kg	☼	71	36 - 127
Dibenzofuran	35	U	7130	4810		ug/Kg	☼	67	46 - 104
2,4-Dinitrotoluene	29	U	7130	5330		ug/Kg	☼	75	45 - 124
Diethyl phthalate	39	U	7130	4960		ug/Kg	☼	70	47 - 115
Fluorene	9.4	U	7130	4930		ug/Kg	☼	69	46 - 109

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-77617-4 MS
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: TCHS-S5 9.5-10
Prep Type: Total/NA
Prep Batch: 108827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether	40	U	7130	4870		ug/Kg	☼	68	47 - 109
4-Nitroaniline	140	U	7130	5110		ug/Kg	☼	72	38 - 123
4,6-Dinitro-2-methylphenol	140	U	14300	9400		ug/Kg	☼	66	24 - 134
N-Nitrosodiphenylamine	33	U	7130	4800		ug/Kg	☼	67	44 - 111
1,2,4,5-Tetrachlorobenzene	27	U	7130	4650		ug/Kg	☼	65	30 - 125
4-Bromophenyl phenyl ether	31	U	7130	4990		ug/Kg	☼	70	47 - 110
Hexachlorobenzene	7.6	U	7130	5040		ug/Kg	☼	71	47 - 108
Atrazine	35	U	7130	11200	F1	ug/Kg	☼	157	30 - 150
Pentachlorophenol	32	U	14300	9290		ug/Kg	☼	65	17 - 122
Phenanthrene	11	U	7130	5050		ug/Kg	☼	71	43 - 108
Anthracene	7.0	U	7130	5180		ug/Kg	☼	73	45 - 112
Carbazole	6.6	U	7130	5140		ug/Kg	☼	72	45 - 114
Di-n-butyl phthalate	45	U	7130	5180		ug/Kg	☼	73	43 - 121
Fluoranthene	7.6	U	7130	5160		ug/Kg	☼	72	40 - 120
Pyrene	7.2	U	7130	4690		ug/Kg	☼	66	41 - 115
Butyl benzyl phthalate	49	U	7130	4880		ug/Kg	☼	68	41 - 118
3,3'-Dichlorobenzidine	38	U	7130	4290		ug/Kg	☼	60	19 - 122
Benzo[a]anthracene	8.9	U	7130	5180		ug/Kg	☼	73	47 - 110
Chrysene	8.5	U	7130	5270		ug/Kg	☼	74	46 - 111
Bis(2-ethylhexyl) phthalate	290	J	7130	5070		ug/Kg	☼	67	40 - 122
Di-n-octyl phthalate	38	U	7130	4400		ug/Kg	☼	62	33 - 129
Benzo[b]fluoranthene	11	U	7130	4550		ug/Kg	☼	64	41 - 107
Benzo[k]fluoranthene	14	U	7130	4760		ug/Kg	☼	67	44 - 115
Benzo[a]pyrene	7.1	U	7130	4940		ug/Kg	☼	69	47 - 112
Benzo[g,h,i]perylene	7.1	U	7130	6190		ug/Kg	☼	87	38 - 126
Indeno[1,2,3-cd]pyrene	7.4	U	7130	5830		ug/Kg	☼	82	41 - 125
Dibenz(a,h)anthracene	7.9	U	7130	5920		ug/Kg	☼	83	39 - 127
2,3,4,6-Tetrachlorophenol	23	U	7130	4710		ug/Kg	☼	66	38 - 113

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*59*		*25 - 104*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*
2-Fluorophenol (Surr)	*55*		*39 - 103*
2-Fluorobiphenyl	*65*		*35 - 105*
Phenol-d5 (Surr)	*57*		*25 - 105*
Terphenyl-d14 (Surr)	*62*		*25 - 127*

Lab Sample ID: 460-77617-4 MSD
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: TCHS-S5 9.5-10
Prep Type: Total/NA
Prep Batch: 108827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzaldehyde	54	U	7090	1650	F1	ug/Kg	☼	23	30 - 150	2	40
Phenol	8.4	U	7090	4010		ug/Kg	☼	57	41 - 102	0	39
Bis(2-chloroethyl)ether	9.6	U	7090	3930		ug/Kg	☼	55	38 - 99	0	43
2-Chlorophenol	29	U	7090	3980		ug/Kg	☼	56	40 - 101	1	42
2-Methylphenol	25	U	7090	4110		ug/Kg	☼	58	40 - 104	2	41
2,2'-oxybis[1-chloropropane]	7.7	U	7090	3710		ug/Kg	☼	52	36 - 101	2	41

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-77617-4 MSD
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: TCHS-S5 9.5-10
Prep Type: Total/NA
Prep Batch: 108827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone	29	U	7090	3700		ug/Kg	☼	52	30 - 150	1	40
Methylphenol, 3 & 4	35	U	7090	4170		ug/Kg	☼	59	42 - 105	4	43
N-Nitrosodi-n-propylamine	8.4	U	7090	3980		ug/Kg	☼	56	42 - 107	1	43
Hexachloroethane	26	U	7090	4100		ug/Kg	☼	58	37 - 97	0	48
Nitrobenzene	30	U	7090	4380		ug/Kg	☼	62	43 - 104	2	33
Isophorone	27	U	7090	4460		ug/Kg	☼	63	47 - 110	2	37
2-Nitrophenol	39	U	7090	4450		ug/Kg	☼	63	46 - 106	1	39
2,4-Dimethylphenol	56	U	7090	4090		ug/Kg	☼	58	44 - 105	2	49
Bis(2-chloroethoxy)methane	23	U	7090	4270		ug/Kg	☼	60	44 - 101	0	36
2,4-Dichlorophenol	7.2	U	7090	4450		ug/Kg	☼	63	47 - 105	1	35
Naphthalene	6.2	U	7090	4250		ug/Kg	☼	60	43 - 100	0	32
4-Chloroaniline	29	U	7090	3780		ug/Kg	☼	53	25 - 108	4	36
Hexachlorobutadiene	8.0	U	7090	4100		ug/Kg	☼	58	43 - 107	5	39
Caprolactam	270	U	7090	4490		ug/Kg	☼	63	30 - 150	3	40
4-Chloro-3-methylphenol	33	U	7090	4560		ug/Kg	☼	64	47 - 109	2	36
2-Methylnaphthalene	6.4	U	7090	4190		ug/Kg	☼	59	45 - 100	1	40
Hexachlorocyclopentadiene	38	U	7090	4760		ug/Kg	☼	67	23 - 129	1	49
2,4,5-Trichlorophenol	38	U	7090	5160		ug/Kg	☼	73	48 - 108	4	44
2,4,6-Trichlorophenol	53	U	7090	5020		ug/Kg	☼	71	50 - 106	1	42
1,1'-Biphenyl	32	U	7090	4720		ug/Kg	☼	67	30 - 150	0	40
2-Chloronaphthalene	7.5	U	7090	4300		ug/Kg	☼	61	46 - 101	1	40
2-Nitroaniline	160	U	7090	5120		ug/Kg	☼	72	45 - 117	1	42
Dimethyl phthalate	39	U	7090	4910		ug/Kg	☼	69	49 - 111	2	37
2,6-Dinitrotoluene	37	U	7090	5060		ug/Kg	☼	71	50 - 122	3	40
Acenaphthylene	8.2	U	7090	4900		ug/Kg	☼	69	49 - 114	1	38
3-Nitroaniline	150	U	7090	4660		ug/Kg	☼	66	34 - 122	2	39
Acenaphthene	6.9	U	7090	4830		ug/Kg	☼	68	47 - 104	1	40
2,4-Dinitrophenol	430	U	14200	7870		ug/Kg	☼	56	10 - 146	1	83
4-Nitrophenol	130	U	14200	9890		ug/Kg	☼	70	36 - 127	3	43
Dibenzofuran	35	U	7090	4780		ug/Kg	☼	67	46 - 104	1	38
2,4-Dinitrotoluene	29	U	7090	5130		ug/Kg	☼	72	45 - 124	4	41
Diethyl phthalate	39	U	7090	4970		ug/Kg	☼	70	47 - 115	0	38
Fluorene	9.4	U	7090	4890		ug/Kg	☼	69	46 - 109	1	40
4-Chlorophenyl phenyl ether	40	U	7090	4720		ug/Kg	☼	67	47 - 109	3	39
4-Nitroaniline	140	U	7090	5000		ug/Kg	☼	70	38 - 123	2	40
4,6-Dinitro-2-methylphenol	140	U	14200	9720		ug/Kg	☼	69	24 - 134	3	87
N-Nitrosodiphenylamine	33	U	7090	4940		ug/Kg	☼	70	44 - 111	3	40
1,2,4,5-Tetrachlorobenzene	27	U	7090	4640		ug/Kg	☼	65	30 - 125	0	25
4-Bromophenyl phenyl ether	31	U	7090	5100		ug/Kg	☼	72	47 - 110	2	46
Hexachlorobenzene	7.6	U	7090	5060		ug/Kg	☼	71	47 - 108	0	43
Atrazine	35	U	7090	11500	F1	ug/Kg	☼	163	30 - 150	3	40
Pentachlorophenol	32	U	14200	9150		ug/Kg	☼	65	17 - 122	1	52
Phenanthrene	11	U	7090	5060		ug/Kg	☼	71	43 - 108	0	39
Anthracene	7.0	U	7090	5170		ug/Kg	☼	73	45 - 112	0	42
Carbazole	6.6	U	7090	5140		ug/Kg	☼	72	45 - 114	0	36
Di-n-butyl phthalate	45	U	7090	5160		ug/Kg	☼	73	43 - 121	0	38
Fluoranthene	7.6	U	7090	5140		ug/Kg	☼	72	40 - 120	1	36
Pyrene	7.2	U	7090	4770		ug/Kg	☼	67	41 - 115	2	43

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-77617-4 MSD
Matrix: Solid
Analysis Batch: 108993

Client Sample ID: TCHS-S5 9.5-10
Prep Type: Total/NA
Prep Batch: 108827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	49	U	7090	4880		ug/Kg	☼	69	41 - 118	0	41
3,3'-Dichlorobenzidine	38	U	7090	4300		ug/Kg	☼	61	19 - 122	0	40
Benzo[a]anthracene	8.9	U	7090	5130		ug/Kg	☼	72	47 - 110	1	40
Chrysene	8.5	U	7090	5340		ug/Kg	☼	75	46 - 111	1	39
Bis(2-ethylhexyl) phthalate	290	J	7090	5220		ug/Kg	☼	70	40 - 122	3	41
Di-n-octyl phthalate	38	U	7090	4490		ug/Kg	☼	63	33 - 129	2	41
Benzo[b]fluoranthene	11	U	7090	4570		ug/Kg	☼	65	41 - 107	1	53
Benzo[k]fluoranthene	14	U	7090	4810		ug/Kg	☼	68	44 - 115	1	44
Benzo[a]pyrene	7.1	U	7090	5040		ug/Kg	☼	71	47 - 112	2	42
Benzo[g,h,i]perylene	7.1	U	7090	6120		ug/Kg	☼	86	38 - 126	1	43
Indeno[1,2,3-cd]pyrene	7.4	U	7090	5720		ug/Kg	☼	81	41 - 125	2	47
Dibenz(a,h)anthracene	7.9	U	7090	5920		ug/Kg	☼	84	39 - 127	0	45
2,3,4,6-Tetrachlorophenol	23	U	7090	4730		ug/Kg	☼	67	38 - 113	0	83

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*60*		*25 - 104*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 124*
2-Fluorophenol (Surr)	*57*		*39 - 103*
2-Fluorobiphenyl	*65*		*35 - 105*
Phenol-d5 (Surr)	*57*		*25 - 105*
Terphenyl-d14 (Surr)	*63*		*25 - 127*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-230123/1-A
Matrix: Solid
Analysis Batch: 230294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.3	U	6.7	1.3	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
4,4'-DDE	1.3	U	6.7	1.3	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
4,4'-DDT	1.6	U	6.7	1.6	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Aldrin	1.4	U	6.7	1.4	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
alpha-BHC	1.5	U	6.7	1.5	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
beta-BHC	1.6	U	6.7	1.6	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Chlordane (technical)	19	U	67	19	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
delta-BHC	1.2	U	6.7	1.2	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Dieldrin	1.2	U	6.7	1.2	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Endosulfan I	1.5	U	6.7	1.5	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Endosulfan II	1.3	U	6.7	1.3	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Endosulfan sulfate	1.3	U	6.7	1.3	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Endrin	1.6	U	6.7	1.6	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Endrin aldehyde	1.0	U	6.7	1.0	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Endrin ketone	1.3	U	6.7	1.3	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
gamma-BHC (Lindane)	1.2	U	6.7	1.2	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Heptachlor	1.6	U	6.7	1.6	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Heptachlor epoxide	1.5	U	6.7	1.5	ug/Kg		06/12/14 07:34	06/12/14 17:08	1
Methoxychlor	1.6	U	6.7	1.6	ug/Kg		06/12/14 07:34	06/12/14 17:08	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-230123/1-A
Matrix: Solid
Analysis Batch: 230294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	18	U	67	18	ug/Kg		06/12/14 07:34	06/12/14 17:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*76 - 149*	*06/12/14 07:34*	*06/12/14 17:08*	*1*
DCB Decachlorobiphenyl	*119*		*76 - 149*	*06/12/14 07:34*	*06/12/14 17:08*	*1*
Tetrachloro-m-xylene	*106*		*72 - 136*	*06/12/14 07:34*	*06/12/14 17:08*	*1*
Tetrachloro-m-xylene	*108*		*72 - 136*	*06/12/14 07:34*	*06/12/14 17:08*	*1*

Lab Sample ID: LCS 460-230123/2-A
Matrix: Solid
Analysis Batch: 230294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	133	145		ug/Kg		109	50 - 131
4,4'-DDD	133	158		ug/Kg		118	50 - 131
4,4'-DDE	133	144		ug/Kg		108	49 - 130
4,4'-DDE	133	153		ug/Kg		114	49 - 130
4,4'-DDT	133	116		ug/Kg		87	48 - 132
4,4'-DDT	133	137		ug/Kg		103	48 - 132
Aldrin	133	143		ug/Kg		107	53 - 126
Aldrin	133	152		ug/Kg		114	53 - 126
alpha-BHC	133	146		ug/Kg		109	50 - 129
alpha-BHC	133	144		ug/Kg		108	50 - 129
beta-BHC	133	141		ug/Kg		105	51 - 131
beta-BHC	133	142		ug/Kg		107	51 - 131
delta-BHC	133	146		ug/Kg		109	40 - 130
delta-BHC	133	148		ug/Kg		111	40 - 130
Dieldrin	133	144		ug/Kg		108	48 - 126
Dieldrin	133	155		ug/Kg		116	48 - 126
Endosulfan I	133	141		ug/Kg		106	53 - 127
Endosulfan I	133	153		ug/Kg		115	53 - 127
Endosulfan II	133	131		ug/Kg		98	52 - 127
Endosulfan II	133	146		ug/Kg		109	52 - 127
Endosulfan sulfate	133	122		ug/Kg		92	52 - 124
Endosulfan sulfate	133	131		ug/Kg		98	52 - 124
Endrin	133	120		ug/Kg		90	48 - 126
Endrin	133	128		ug/Kg		96	48 - 126
Endrin aldehyde	133	136		ug/Kg		102	57 - 124
Endrin aldehyde	133	161		ug/Kg		121	57 - 124
Endrin ketone	133	131		ug/Kg		98	55 - 124
Endrin ketone	133	155		ug/Kg		116	55 - 124
gamma-BHC (Lindane)	133	149		ug/Kg		111	52 - 129
gamma-BHC (Lindane)	133	149		ug/Kg		112	52 - 129
Heptachlor	133	137		ug/Kg		103	52 - 128
Heptachlor	133	142		ug/Kg		106	52 - 128
Heptachlor epoxide	133	142		ug/Kg		106	53 - 122
Heptachlor epoxide	133	150		ug/Kg		112	53 - 122
Methoxychlor	133	112		ug/Kg		84	47 - 126

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-230123/2-A
Matrix: Solid
Analysis Batch: 230294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230123

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methoxychlor			133	149		ug/Kg		111	47 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*107*		*76 - 149*
DCB Decachlorobiphenyl	*119*		*76 - 149*
Tetrachloro-m-xylene	*108*		*72 - 136*
Tetrachloro-m-xylene	*113*		*72 - 136*

Lab Sample ID: 460-77583-E-24-E MS
Matrix: Solid
Analysis Batch: 230294

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 230123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD	1.5	U	152	151		ug/Kg	☼	100	69 - 150		
4,4'-DDD	1.5	U	152	165		ug/Kg	☼	109	69 - 150		
4,4'-DDE	1.5	U	152	150		ug/Kg	☼	99	70 - 147		
4,4'-DDE	1.5	U	152	159		ug/Kg	☼	105	70 - 147		
4,4'-DDT	1.8	U	152	124		ug/Kg	☼	82	63 - 146		
4,4'-DDT	1.8	U	152	144		ug/Kg	☼	95	63 - 146		
Aldrin	1.6	U	152	148		ug/Kg	☼	97	69 - 138		
Aldrin	1.6	U	152	157		ug/Kg	☼	104	69 - 138		
alpha-BHC	1.7	U	152	150		ug/Kg	☼	99	68 - 133		
alpha-BHC	1.7	U	152	149		ug/Kg	☼	98	68 - 133		
beta-BHC	1.8	U	152	146		ug/Kg	☼	96	67 - 137		
beta-BHC	1.8	U	152	146		ug/Kg	☼	96	67 - 137		
delta-BHC	1.4	U	152	151		ug/Kg	☼	99	65 - 141		
delta-BHC	1.4	U	152	154		ug/Kg	☼	102	65 - 141		
Dieldrin	1.4	U	152	150		ug/Kg	☼	99	63 - 129		
Dieldrin	1.4	U	152	162		ug/Kg	☼	107	63 - 129		
Endosulfan I	1.7	U	152	147		ug/Kg	☼	97	69 - 140		
Endosulfan I	1.7	U	152	159		ug/Kg	☼	105	69 - 140		
Endosulfan II	1.5	U	152	140		ug/Kg	☼	93	66 - 136		
Endosulfan II	1.5	U	152	152		ug/Kg	☼	100	66 - 136		
Endosulfan sulfate	1.5	U	152	130		ug/Kg	☼	86	65 - 137		
Endosulfan sulfate	1.5	U	152	138		ug/Kg	☼	91	65 - 137		
Endrin	1.8	U	152	132		ug/Kg	☼	87	67 - 142		
Endrin	1.8	U	152	137		ug/Kg	☼	91	67 - 142		
Endrin aldehyde	1.1	U	152	142		ug/Kg	☼	94	67 - 134		
Endrin aldehyde	1.1	U	152	165		ug/Kg	☼	109	67 - 134		
Endrin ketone	1.5	U	152	135		ug/Kg	☼	89	68 - 146		
Endrin ketone	1.5	U	152	160		ug/Kg	☼	106	68 - 146		
gamma-BHC (Lindane)	1.4	U	152	153		ug/Kg	☼	101	68 - 134		
gamma-BHC (Lindane)	1.4	U	152	155		ug/Kg	☼	102	68 - 134		
Heptachlor	1.8	U	152	141		ug/Kg	☼	93	67 - 136		
Heptachlor	1.8	U	152	147		ug/Kg	☼	97	67 - 136		
Heptachlor epoxide	1.7	U	152	148		ug/Kg	☼	97	68 - 136		
Heptachlor epoxide	1.7	U	152	157		ug/Kg	☼	103	68 - 136		
Methoxychlor	1.8	U	152	119		ug/Kg	☼	79	52 - 150		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-77583-E-24-E MS
Matrix: Solid
Analysis Batch: 230294

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 230123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methoxychlor	1.8	U	152	153		ug/Kg	☼	101	52 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*76 - 149*
DCB Decachlorobiphenyl	*111*		*76 - 149*
Tetrachloro-m-xylene	*99*		*72 - 136*
Tetrachloro-m-xylene	*105*		*72 - 136*

Lab Sample ID: 460-77583-E-24-F MSD
Matrix: Solid
Analysis Batch: 230294

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 230123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	1.5	U	151	171		ug/Kg	☼	113	69 - 150	12	30
4,4'-DDD	1.5	U	151	188		ug/Kg	☼	125	69 - 150	13	30
4,4'-DDE	1.5	U	151	172		ug/Kg	☼	114	70 - 147	13	30
4,4'-DDE	1.5	U	151	181		ug/Kg	☼	120	70 - 147	13	30
4,4'-DDT	1.8	U	151	140		ug/Kg	☼	93	63 - 146	12	30
4,4'-DDT	1.8	U	151	166		ug/Kg	☼	110	63 - 146	14	30
Aldrin	1.6	U	151	168		ug/Kg	☼	111	69 - 138	13	30
Aldrin	1.6	U	151	180		ug/Kg	☼	119	69 - 138	13	30
alpha-BHC	1.7	U	151	172		ug/Kg	☼	114	68 - 133	14	30
alpha-BHC	1.7	U	151	171		ug/Kg	☼	113	68 - 133	13	30
beta-BHC	1.8	U	151	166		ug/Kg	☼	110	67 - 137	13	30
beta-BHC	1.8	U	151	166		ug/Kg	☼	110	67 - 137	13	30
delta-BHC	1.4	U	151	173		ug/Kg	☼	114	65 - 141	14	30
delta-BHC	1.4	U	151	176		ug/Kg	☼	116	65 - 141	13	30
Dieldrin	1.4	U	151	171		ug/Kg	☼	113	63 - 129	13	30
Dieldrin	1.4	U	151	184		ug/Kg	☼	122	63 - 129	13	30
Endosulfan I	1.7	U	151	168		ug/Kg	☼	111	69 - 140	13	30
Endosulfan I	1.7	U	151	182		ug/Kg	☼	120	69 - 140	13	30
Endosulfan II	1.5	U	151	157		ug/Kg	☼	104	66 - 136	11	30
Endosulfan II	1.5	U	151	173		ug/Kg	☼	114	66 - 136	13	30
Endosulfan sulfate	1.5	U	151	146		ug/Kg	☼	96	65 - 137	11	30
Endosulfan sulfate	1.5	U	151	159		ug/Kg	☼	105	65 - 137	14	30
Endrin	1.8	U	151	151		ug/Kg	☼	100	67 - 142	14	30
Endrin	1.8	U	151	157		ug/Kg	☼	104	67 - 142	13	30
Endrin aldehyde	1.1	U	151	159		ug/Kg	☼	105	67 - 134	11	30
Endrin aldehyde	1.1	U	151	187		ug/Kg	☼	124	67 - 134	13	30
Endrin ketone	1.5	U	151	155		ug/Kg	☼	102	68 - 146	14	30
Endrin ketone	1.5	U	151	183		ug/Kg	☼	121	68 - 146	13	30
gamma-BHC (Lindane)	1.4	U	151	176		ug/Kg	☼	116	68 - 134	14	30
gamma-BHC (Lindane)	1.4	U	151	176		ug/Kg	☼	116	68 - 134	13	30
Heptachlor	1.8	U	151	162		ug/Kg	☼	107	67 - 136	13	30
Heptachlor	1.8	U	151	168		ug/Kg	☼	111	67 - 136	13	30
Heptachlor epoxide	1.7	U	151	168		ug/Kg	☼	111	68 - 136	13	30
Heptachlor epoxide	1.7	U	151	178		ug/Kg	☼	118	68 - 136	13	30
Methoxychlor	1.8	U	151	136		ug/Kg	☼	90	52 - 150	13	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-77583-E-24-F MSD
Matrix: Solid
Analysis Batch: 230294

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 230123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor	1.8	U	151	177		ug/Kg	☼	117	52 - 150	15	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*111*		*76 - 149*
DCB Decachlorobiphenyl	*125*		*76 - 149*
Tetrachloro-m-xylene	*113*		*72 - 136*
Tetrachloro-m-xylene	*118*		*72 - 136*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-230119/1-A
Matrix: Solid
Analysis Batch: 230342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	15	U	67	15	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Aroclor 1221	15	U	67	15	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Aroclor 1232	15	U	67	15	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Aroclor 1242	15	U	67	15	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Aroclor 1248	15	U	67	15	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Aroclor 1254	19	U	67	19	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Aroclor 1260	19	U	67	19	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Aroclor-1262	19	U	67	19	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Aroclor 1268	19	U	67	19	ug/Kg		06/12/14 07:26	06/12/14 22:45	1
Polychlorinated biphenyls, Total	19	U	67	19	ug/Kg		06/12/14 07:26	06/12/14 22:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*53 - 150*	*06/12/14 07:26*	*06/12/14 22:45*	*1*
DCB Decachlorobiphenyl	*112*		*53 - 150*	*06/12/14 07:26*	*06/12/14 22:45*	*1*

Lab Sample ID: LCS 460-230119/2-A
Matrix: Solid
Analysis Batch: 230342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	333	445		ug/Kg		133	64 - 145
Aroclor 1016	333	418		ug/Kg		125	64 - 145
Aroclor 1260	333	407		ug/Kg		122	59 - 150
Aroclor 1260	333	394		ug/Kg		118	59 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*118*		*53 - 150*
DCB Decachlorobiphenyl	*115*		*53 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-77583-E-24-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230342 — **Prep Batch: 230119**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	17	U	379	468		ug/Kg	☼	123	64 - 145
Aroclor 1016	17	U	379	443		ug/Kg	☼	117	64 - 145
Aroclor 1260	22	U	379	425		ug/Kg	☼	112	59 - 150
Aroclor 1260	22	U	379	417		ug/Kg	☼	110	59 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*120*		*53 - 150*
DCB Decachlorobiphenyl	*118*		*53 - 150*

Lab Sample ID: 460-77583-E-24-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230342 — **Prep Batch: 230119**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	17	U	378	540		ug/Kg	☼	143	64 - 145	14	30
Aroclor 1016	17	U	378	499		ug/Kg	☼	132	64 - 145	12	30
Aroclor 1260	22	U	378	500		ug/Kg	☼	132	59 - 150	16	30
Aroclor 1260	22	U	378	482		ug/Kg	☼	127	59 - 150	15	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*123*		*53 - 150*
DCB Decachlorobiphenyl	*118*		*53 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-230333/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230525 — **Prep Batch: 230333**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.2	U	17	2.2	ug/Kg		06/12/14 20:27	06/13/14 12:51	1
Silvex (2,4,5-TP)	1.8	U	17	1.8	ug/Kg		06/12/14 20:27	06/13/14 12:51	1
2,4,5-T	3.4	U	17	3.4	ug/Kg		06/12/14 20:27	06/13/14 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*131*		*69 - 150*	*06/12/14 20:27*	*06/13/14 12:51*	*1*
2,4-Dichlorophenylacetic acid	*139*		*69 - 150*	*06/12/14 20:27*	*06/13/14 12:51*	*1*

Lab Sample ID: LCS 460-230333/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230525 — **Prep Batch: 230333**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	333	338		ug/Kg		101	84 - 150
2,4-D	333	331		ug/Kg		99	84 - 150
Silvex (2,4,5-TP)	333	372		ug/Kg		112	81 - 150
Silvex (2,4,5-TP)	333	384		ug/Kg		115	81 - 150

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-230333/2-A
Matrix: Solid
Analysis Batch: 230525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230333

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			333	326		ug/Kg		98	66 - 150		
2,4,5-T			333	367		ug/Kg		110	66 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*131*		*69 - 150*
2,4-Dichlorophenylacetic acid	*129*		*69 - 150*

Lab Sample ID: 460-77515-F-1-B MS
Matrix: Solid
Analysis Batch: 230525

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 230333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D	2.4	U	368	377		ug/Kg	☼	102	84 - 150		
2,4-D	2.4	U	368	366		ug/Kg	☼	100	84 - 150		
Silvex (2,4,5-TP)	2.0	U	368	416		ug/Kg	☼	113	81 - 150		
Silvex (2,4,5-TP)	2.0	U	368	437		ug/Kg	☼	119	81 - 150		
2,4,5-T	3.8	U	368	365		ug/Kg	☼	99	66 - 150		
2,4,5-T	3.8	U	368	403		ug/Kg	☼	110	66 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*133*		*69 - 150*
2,4-Dichlorophenylacetic acid	*134*		*69 - 150*

Lab Sample ID: 460-77515-F-1-C MSD
Matrix: Solid
Analysis Batch: 230525

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 230333

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	2.4	U	368	343		ug/Kg	☼	93	84 - 150	7	30
2,4-D	2.4	U	368	363		ug/Kg	☼	99	84 - 150	4	30
Silvex (2,4,5-TP)	2.0	U	368	411		ug/Kg	☼	112	81 - 150	1	30
Silvex (2,4,5-TP)	2.0	U	368	433		ug/Kg	☼	118	81 - 150	1	30
2,4,5-T	3.8	U	368	358		ug/Kg	☼	98	66 - 150	2	30
2,4,5-T	3.8	U	368	403		ug/Kg	☼	110	66 - 150	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*124*		*69 - 150*
2,4-Dichlorophenylacetic acid	*129*		*69 - 150*

Lab Sample ID: MB 460-230588/1-A
Matrix: Solid
Analysis Batch: 230701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230588

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	2.2	U	17	2.2	ug/Kg		06/13/14 18:33	06/14/14 18:48	1
Silvex (2,4,5-TP)	1.8	U	17	1.8	ug/Kg		06/13/14 18:33	06/14/14 18:48	1
2,4,5-T	3.4	U	17	3.4	ug/Kg		06/13/14 18:33	06/14/14 18:48	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-230588/1-A
Matrix: Solid
Analysis Batch: 230701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230588

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	134		69 - 150	06/13/14 18:33	06/14/14 18:48	1
2,4-Dichlorophenylacetic acid	134		69 - 150	06/13/14 18:33	06/14/14 18:48	1

Lab Sample ID: LCS 460-230588/2-A
Matrix: Solid
Analysis Batch: 230701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230588

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	333	320		ug/Kg		96	84 - 150
2,4-D	333	321		ug/Kg		96	84 - 150
Silvex (2,4,5-TP)	333	384		ug/Kg		115	81 - 150
Silvex (2,4,5-TP)	333	380		ug/Kg		114	81 - 150
2,4,5-T	333	341		ug/Kg		102	66 - 150
2,4,5-T	333	352		ug/Kg		106	66 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	131		69 - 150
2,4-Dichlorophenylacetic acid	123		69 - 150

Lab Sample ID: 460-77617-10 MS
Matrix: Solid
Analysis Batch: 230701

Client Sample ID: TCHS-S4 5.5-6.0
Prep Type: Total/NA
Prep Batch: 230588

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	2.3	U	349	348		ug/Kg	☼	100	84 - 150
2,4-D	2.3	U	349	343		ug/Kg	☼	98	84 - 150
Silvex (2,4,5-TP)	1.9	U	349	415		ug/Kg	☼	119	81 - 150
Silvex (2,4,5-TP)	1.9	U	349	411		ug/Kg	☼	118	81 - 150
2,4,5-T	3.6	U	349	368		ug/Kg	☼	105	66 - 150
2,4,5-T	3.6	U	349	384		ug/Kg	☼	110	66 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	133		69 - 150
2,4-Dichlorophenylacetic acid	127		69 - 150

Lab Sample ID: 460-77617-10 MSD
Matrix: Solid
Analysis Batch: 230701

Client Sample ID: TCHS-S4 5.5-6.0
Prep Type: Total/NA
Prep Batch: 230588

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	2.3	U	349	339		ug/Kg	☼	97	84 - 150	1	30
2,4-D	2.3	U	349	342		ug/Kg	☼	98	84 - 150	2	30
Silvex (2,4,5-TP)	1.9	U	349	407		ug/Kg	☼	117	81 - 150	2	30
Silvex (2,4,5-TP)	1.9	U	349	403		ug/Kg	☼	115	81 - 150	2	30
2,4,5-T	3.6	U	349	360		ug/Kg	☼	103	66 - 150	2	30
2,4,5-T	3.6	U	349	383		ug/Kg	☼	110	66 - 150	0	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-77617-10 MSD
Matrix: Solid
Analysis Batch: 230701

Client Sample ID: TCHS-S4 5.5-6.0
Prep Type: Total/NA
Prep Batch: 230588

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*133*		*69 - 150*
2,4-Dichlorophenylacetic acid	*128*		*69 - 150*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-230216/1-A
Matrix: Solid
Analysis Batch: 230432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230216

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C9-C12 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C16-C21 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C21-C40 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C16-C21 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C10-C12 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C12-C16 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1
C21-C36 Aromatic	2.0	U	2.0	2.0	mg/Kg		06/12/14 12:45	06/13/14 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*40 - 140*	*06/12/14 12:45*	*06/13/14 11:47*	*1*
2-Fluorobiphenyl	*92*		*40 - 140*	*06/12/14 12:45*	*06/13/14 11:47*	*1*
2-Bromonaphthalene	*61*		*40 - 140*	*06/12/14 12:45*	*06/13/14 11:47*	*1*
1-Chlorooctadecane	*72*		*40 - 140*	*06/12/14 12:45*	*06/13/14 11:47*	*1*

Lab Sample ID: LCS 460-230216/2-A
Matrix: Solid
Analysis Batch: 230432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C12-C16 Aliphatics	13.3	10.5		mg/Kg		79	40 - 140
C9-C12 Aliphatics	20.0	12.1		mg/Kg		60	40 - 140
C16-C21 Aliphatics	26.7	20.4		mg/Kg		77	40 - 140
C21-C40 Aliphatics	66.7	43.7		mg/Kg		66	40 - 140
C16-C21 Aromatics	40.0	35.3		mg/Kg		88	40 - 140
C10-C12 Aromatics	20.0	11.1		mg/Kg		55	40 - 140
C12-C16 Aromatics	26.7	16.9		mg/Kg		63	40 - 140
C21-C36 Aromatic	60.0	55.0		mg/Kg		92	40 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*100*		*40 - 140*
2-Fluorobiphenyl	*86*		*40 - 140*
2-Bromonaphthalene	*71*		*40 - 140*
1-Chlorooctadecane	*61*		*40 - 140*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 460-77515-F-2-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230432 — **Prep Batch: 230216**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C12-C16 Aliphatics	2.1	U	14.3	9.26		mg/Kg	☼	65	40 - 140
C9-C12 Aliphatics	2.1	U	21.4	11.7		mg/Kg	☼	55	40 - 140
C16-C21 Aliphatics	2.1	U	28.5	18.6		mg/Kg	☼	65	40 - 140
C21-C40 Aliphatics	2.1	U	71.3	39.0		mg/Kg	☼	55	40 - 140
C16-C21 Aromatics	2.1	U	42.8	29.3		mg/Kg	☼	68	40 - 140
C10-C12 Aromatics	2.1	U	21.4	9.99		mg/Kg	☼	47	40 - 140
C12-C16 Aromatics	2.1	U	28.5	14.2		mg/Kg	☼	50	40 - 140
C21-C36 Aromatic	2.1	U	64.1	42.9		mg/Kg	☼	67	40 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*77*		*40 - 140*
2-Fluorobiphenyl	*87*		*40 - 140*
2-Bromonaphthalene	*75*		*40 - 140*
1-Chlorooctadecane	*48*		*40 - 140*

Lab Sample ID: 460-77515-F-2-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230432 — **Prep Batch: 230216**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C12-C16 Aliphatics	2.1	U	14.3	9.77		mg/Kg	☼	69	40 - 140	5	25
C9-C12 Aliphatics	2.1	U	21.4	10.4		mg/Kg	☼	49	40 - 140	12	25
C16-C21 Aliphatics	2.1	U	28.5	18.7		mg/Kg	☼	65	40 - 140	1	25
C21-C40 Aliphatics	2.1	U	71.3	36.6		mg/Kg	☼	51	40 - 140	6	25
C16-C21 Aromatics	2.1	U	42.8	27.1		mg/Kg	☼	63	40 - 140	8	25
C10-C12 Aromatics	2.1	U	21.4	8.65		mg/Kg	☼	40	40 - 140	14	25
C12-C16 Aromatics	2.1	U	28.5	12.7		mg/Kg	☼	45	40 - 140	11	25
C21-C36 Aromatic	2.1	U	64.1	41.5		mg/Kg	☼	65	40 - 140	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*74*		*40 - 140*
2-Fluorobiphenyl	*85*		*40 - 140*
2-Bromonaphthalene	*68*		*40 - 140*
1-Chlorooctadecane	*49*		*40 - 140*

Lab Sample ID: MB 460-230520/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 230881 — **Prep Batch: 230520**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C16-C21 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/13/14 13:53	06/16/14 09:30	1
C10-C12 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/13/14 13:53	06/16/14 09:30	1
C12-C16 Aromatics	2.0	U	2.0	2.0	mg/Kg		06/13/14 13:53	06/16/14 09:30	1
C21-C36 Aromatic	2.0	U	2.0	2.0	mg/Kg		06/13/14 13:53	06/16/14 09:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*40 - 140*	*06/13/14 13:53*	*06/16/14 09:30*	*1*

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: MB 460-230520/1-A
Matrix: Solid
Analysis Batch: 230881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230520

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		40 - 140	06/13/14 13:53	06/16/14 09:30	1
2-Bromonaphthalene	53		40 - 140	06/13/14 13:53	06/16/14 09:30	1

Lab Sample ID: MB 460-230520/1-A
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230520

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/13/14 13:53	06/16/14 09:45	1
C9-C12 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/13/14 13:53	06/16/14 09:45	1
C16-C21 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/13/14 13:53	06/16/14 09:45	1
C21-C40 Aliphatics	2.0	U	2.0	2.0	mg/Kg		06/13/14 13:53	06/16/14 09:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane	82		40 - 140	06/13/14 13:53	06/16/14 09:45	1

Lab Sample ID: LCS 460-230520/2-A
Matrix: Solid
Analysis Batch: 230881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C16-C21 Aromatics	40.0	32.9		mg/Kg		82	40 - 140
C10-C12 Aromatics	20.0	9.84		mg/Kg		49	40 - 140
C12-C16 Aromatics	26.7	15.2		mg/Kg		57	40 - 140
C21-C36 Aromatic	60.0	57.1		mg/Kg		95	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	105		40 - 140
2-Fluorobiphenyl	77		40 - 140
2-Bromonaphthalene	62		40 - 140

Lab Sample ID: LCS 460-230520/2-A
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C12-C16 Aliphatics	13.3	14.3		mg/Kg		108	40 - 140
C9-C12 Aliphatics	20.0	17.7		mg/Kg		89	40 - 140
C16-C21 Aliphatics	26.7	31.7		mg/Kg		119	40 - 140
C21-C40 Aliphatics	66.7	55.0		mg/Kg		82	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctadecane	106		40 - 140

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 460-77617-6 MS
Matrix: Solid
Analysis Batch: 230881

Client Sample ID: TCHS-S3-9.5-10
Prep Type: Total/NA
Prep Batch: 230520

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C16-C21 Aromatics	2.2	U	43.9	26.5		mg/Kg	☼	60	40 - 140
C10-C12 Aromatics	2.2	U	21.9	7.90	F1	mg/Kg	☼	36	40 - 140
C12-C16 Aromatics	2.2	U	29.2	12.4		mg/Kg	☼	42	40 - 140
C21-C36 Aromatic	2.2	U	65.8	46.1		mg/Kg	☼	70	40 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*77*		*40 - 140*
2-Fluorobiphenyl	*71*		*40 - 140*
2-Bromonaphthalene	*56*		*40 - 140*

Lab Sample ID: 460-77617-6 MS
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: TCHS-S3-9.5-10
Prep Type: Total/NA
Prep Batch: 230520

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C12-C16 Aliphatics	2.2	U	14.6	12.8		mg/Kg	☼	87	40 - 140
C9-C12 Aliphatics	2.2	U	21.9	12.8		mg/Kg	☼	59	40 - 140
C16-C21 Aliphatics	2.2	U	29.2	27.0		mg/Kg	☼	92	40 - 140
C21-C40 Aliphatics	2.2	U	73.1	49.1		mg/Kg	☼	67	40 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctadecane	*84*		*40 - 140*

Lab Sample ID: 460-77617-6 MSD
Matrix: Solid
Analysis Batch: 230881

Client Sample ID: TCHS-S3-9.5-10
Prep Type: Total/NA
Prep Batch: 230520

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C16-C21 Aromatics	2.2	U	43.9	23.5		mg/Kg	☼	54	40 - 140	12	25
C10-C12 Aromatics	2.2	U	21.9	6.99	F1	mg/Kg	☼	32	40 - 140	12	25
C12-C16 Aromatics	2.2	U	29.2	10.9	F1	mg/Kg	☼	37	40 - 140	13	25
C21-C36 Aromatic	2.2	U	65.8	41.5		mg/Kg	☼	63	40 - 140	11	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*69*		*40 - 140*
2-Fluorobiphenyl	*64*		*40 - 140*
2-Bromonaphthalene	*49*		*40 - 140*

Lab Sample ID: 460-77617-6 MSD
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: TCHS-S3-9.5-10
Prep Type: Total/NA
Prep Batch: 230520

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C12-C16 Aliphatics	2.2	U	14.6	12.7		mg/Kg	☼	87	40 - 140	0	25
C9-C12 Aliphatics	2.2	U	21.9	12.0		mg/Kg	☼	55	40 - 140	6	25
C16-C21 Aliphatics	2.2	U	29.2	27.0		mg/Kg	☼	92	40 - 140	0	25
C21-C40 Aliphatics	2.2	U	73.1	51.3		mg/Kg	☼	70	40 - 140	4	25

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 460-77617-6 MSD
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: TCHS-S3-9.5-10
Prep Type: Total/NA
Prep Batch: 230520

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctadecane	84		40 - 140

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-231571/1-A ^2
Matrix: Solid
Analysis Batch: 231954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.19	U	1.0	0.19	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Aluminum	11.1	U	20.0	11.1	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Arsenic	0.41	U	1.5	0.41	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Barium	0.87	U	20.0	0.87	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Beryllium	0.14	U	0.20	0.14	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Calcium	38.3	U	500	38.3	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Cadmium	0.14	U	0.40	0.14	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Cobalt	0.45	U	5.0	0.45	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Chromium	0.40	U	1.0	0.40	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Copper	0.88	U	2.5	0.88	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Iron	12.5	U	15.0	12.5	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Potassium	13.8	U	500	13.8	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Magnesium	33.2	U	500	33.2	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Manganese	0.43	U	1.5	0.43	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Sodium	37.8	U	500	37.8	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Nickel	0.90	U	4.0	0.90	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Lead	0.41	U	1.0	0.41	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Antimony	0.76	U	2.0	0.76	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Selenium	0.57	U	2.0	0.57	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Thallium	0.98	U	2.0	0.98	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Vanadium	0.41	U	5.0	0.41	mg/Kg		06/19/14 06:56	06/20/14 13:26	2
Zinc	0.86	U	3.0	0.86	mg/Kg		06/19/14 06:56	06/20/14 13:26	2

Lab Sample ID: LCSSRM 460-231571/2-A
Matrix: Solid
Analysis Batch: 231954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231571

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	42.3	43.54		mg/Kg		102.9	66.2 - 134.0
Aluminum	9310	8059		mg/Kg		86.6	43.3 - 156.8
Arsenic	168	166.2		mg/Kg		99.0	70.8 - 129.8
Barium	213	223.4		mg/Kg		104.9	73.2 - 126.8
Beryllium	110	114.1		mg/Kg		103.7	75.1 - 125.5
Calcium	6870	7135		mg/Kg		103.9	74.4 - 125.8

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-231571/2-A
Matrix: Solid
Analysis Batch: 231954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231571

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	109.2		mg/Kg		106.0	73.0 - 126.2
Cobalt	131	143.2		mg/Kg		109.3	74.4 - 125.2
Chromium	119	127.7		mg/Kg		107.3	69.7 - 129.4
Copper	118	119.3		mg/Kg		101.1	74.6 - 124.6
Iron	13000	13920		mg/Kg		107.1	32.2 - 167.7
Potassium	3130	2919		mg/Kg		93.3	62.9 - 136.7
Magnesium	2780	2650		mg/Kg		95.3	65.1 - 135.3
Manganese	338	367.7		mg/Kg		108.8	75.4 - 125.1
Sodium	350	345.5	J	mg/Kg		98.7	42.9 - 156.9
Nickel	70.0	78.26		mg/Kg		111.8	70.9 - 129.0
Lead	76.9	89.31		mg/Kg		116.1	68.7 - 131.3
Antimony	120	223.4		mg/Kg		186.1	20.8 - 252.5
Selenium	126	126.4		mg/Kg		100.3	66.7 - 134.1
Thallium	208	232.9		mg/Kg		112.0	69.2 - 130.8
Vanadium	87.1	91.23		mg/Kg		104.7	63.1 - 136.6
Zinc	276	298.6		mg/Kg		108.2	71.4 - 128.6

Lab Sample ID: 460-77617-2 MS
Matrix: Solid
Analysis Batch: 231954

Client Sample ID: TCHS-S6 9.5-10
Prep Type: Total/NA
Prep Batch: 231571

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.40	U	5.28	5.56		mg/Kg	☼	105	75 - 125
Aluminum	10200		211	11850	4	mg/Kg	☼	761	75 - 125
Arsenic	4.2		211	200.2		mg/Kg	☼	93	75 - 125
Barium	37.9	J	211	258.7		mg/Kg	☼	105	75 - 125
Beryllium	0.58		5.28	6.03		mg/Kg	☼	103	75 - 125
Calcium	180	J	2110	2224		mg/Kg	☼	97	75 - 125
Cadmium	0.29	U	5.28	4.96		mg/Kg	☼	94	75 - 125
Cobalt	11.1		52.8	64.80		mg/Kg	☼	102	75 - 125
Chromium	13.0		21.1	34.60		mg/Kg	☼	102	75 - 125
Copper	16.6		26.4	42.83		mg/Kg	☼	99	75 - 125
Iron	22600		106	23040	4	mg/Kg	☼	431	75 - 125
Potassium	601	J	2110	2547		mg/Kg	☼	92	75 - 125
Magnesium	2930		2110	5200		mg/Kg	☼	107	75 - 125
Manganese	538		52.8	651.6	4	mg/Kg	☼	216	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-77617-2 MS
Matrix: Solid
Analysis Batch: 231954

Client Sample ID: TCHS-S6 9.5-10
Prep Type: Total/NA
Prep Batch: 231571

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	78.3	U	2110	2059		mg/Kg	☼	98	75 - 125
Nickel	18.5		52.8	75.25		mg/Kg	☼	108	75 - 125
Lead	12.4		52.8	67.48		mg/Kg	☼	104	75 - 125
Antimony	1.6	U	52.8	35.27	F1	mg/Kg	☼	67	75 - 125
Selenium	1.2	U	211	198.5		mg/Kg	☼	94	75 - 125
Thallium	2.0	U	211	221.6		mg/Kg	☼	105	75 - 125
Vanadium	15.3		52.8	68.50		mg/Kg	☼	101	75 - 125
Zinc	47.5		52.8	103.6		mg/Kg	☼	106	75 - 125

Lab Sample ID: 460-77617-2 DU
Matrix: Solid
Analysis Batch: 231954

Client Sample ID: TCHS-S6 9.5-10
Prep Type: Total/NA
Prep Batch: 231571

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	0.40	U	0.40	U	mg/Kg	☼	NC	20
Aluminum	10200		10030		mg/Kg	☼	2	20
Arsenic	4.2		4.23		mg/Kg	☼	1	20
Barium	37.9	J	37.08	J	mg/Kg	☼	2	20
Beryllium	0.58		0.571		mg/Kg	☼	2	20
Calcium	180	J	177.2	J	mg/Kg	☼	2	20
Cadmium	0.29	U	0.29	U	mg/Kg	☼	NC	20
Cobalt	11.1		10.87		mg/Kg	☼	2	20
Chromium	13.0		12.81		mg/Kg	☼	2	20
Copper	16.6		16.27		mg/Kg	☼	2	20
Iron	22600		22210		mg/Kg	☼	2	20
Potassium	601	J	588.8	J	mg/Kg	☼	2	20
Magnesium	2930		2893		mg/Kg	☼	1	20
Manganese	538		529.4		mg/Kg	☼	2	20
Sodium	78.3	U	77.6	U	mg/Kg	☼	NC	20
Nickel	18.5		17.98		mg/Kg	☼	3	20
Lead	12.4		12.10		mg/Kg	☼	2	20
Antimony	1.6	U	1.5	U	mg/Kg	☼	NC	20
Selenium	1.2	U	1.2	U	mg/Kg	☼	NC	20
Thallium	2.0	U	2.0	U	mg/Kg	☼	NC	20
Vanadium	15.3		14.98		mg/Kg	☼	2	20
Zinc	47.5		46.23		mg/Kg	☼	3	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 460-231318/10-A
Matrix: Solid
Analysis Batch: 231411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.017	0.012	mg/Kg		06/18/14 06:30	06/18/14 12:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: LCSSRM 460-231318/11-A ^50
Matrix: Solid
Analysis Batch: 231411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231318

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			25.1	25.67		mg/Kg		102.3	51.4 - 148.2		

Lab Sample ID: 460-77617-4 MS
Matrix: Solid
Analysis Batch: 231411

Client Sample ID: TCHS-S5 9.5-10
Prep Type: Total/NA
Prep Batch: 231318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.012	U	0.0811	0.0981		mg/Kg	☼	121	75 - 125		

Lab Sample ID: 460-77617-4 DU
Matrix: Solid
Analysis Batch: 231411

Client Sample ID: TCHS-S5 9.5-10
Prep Type: Total/NA
Prep Batch: 231318

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.012	U		0.0135	J	mg/Kg	☼			NC	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-77649-A-9 DU
Matrix: Solid
Analysis Batch: 230488

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.8			11.2		%				4	20
Percent Solids	89.2			88.8		%				0.4	20

Lab Sample ID: 460-77620-E-1 DU
Matrix: Solid
Analysis Batch: 230539

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.1			8.8		%				9	20
Percent Solids	91.9			91.2		%				0.8	20

GC/MS VOA

Prep Batch: 230059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	5035	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	5035	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	5035	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	5035	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	5035	
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	5035	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	5035	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	5035	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	5035	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	5035	
LB3 460-230059/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 231801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	8260C	230059
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	8260C	230059
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	8260C	230059
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	8260C	230059
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	8260C	230059
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	8260C	230059
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	8260C	230059
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	8260C	230059
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	8260C	230059
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	8260C	230059
LB3 460-230059/1-A	Method Blank	Total/NA	Solid	8260C	230059
LCS 460-231801/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-231801/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
MB 460-231801/6	Method Blank	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 108827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	3541	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	3541	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	3541	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	3541	
460-77617-4 MS	TCHS-S5 9.5-10	Total/NA	Solid	3541	
460-77617-4 MSD	TCHS-S5 9.5-10	Total/NA	Solid	3541	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	3541	
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	3541	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	3541	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	3541	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	3541	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	3541	
LCS 180-108827/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-108827/1-A	Method Blank	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Analysis Batch: 108993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	8270D	108827
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	8270D	108827
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	8270D	108827
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	8270D	108827
460-77617-4 MS	TCHS-S5 9.5-10	Total/NA	Solid	8270D	108827
460-77617-4 MSD	TCHS-S5 9.5-10	Total/NA	Solid	8270D	108827
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	8270D	108827
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	8270D	108827
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	8270D	108827
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	8270D	108827
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	8270D	108827
LCS 180-108827/2-A	Lab Control Sample	Total/NA	Solid	8270D	108827
MB 180-108827/1-A	Method Blank	Total/NA	Solid	8270D	108827

Analysis Batch: 109140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	8270D	108827

GC Semi VOA

Prep Batch: 230119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77583-E-24-B MS	Matrix Spike	Total/NA	Solid	3546	
460-77583-E-24-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	3546	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	3546	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	3546	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	3546	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	3546	
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	3546	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	3546	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	3546	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	3546	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	3546	
LCS 460-230119/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-230119/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 230123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77583-E-24-E MS	Matrix Spike	Total/NA	Solid	3546	
460-77583-E-24-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	3546	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	3546	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	3546	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	3546	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	3546	
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	3546	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	3546	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	3546	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 230123 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	3546	
LCS 460-230123/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-230123/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 230216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-F-2-A MS	Matrix Spike	Total/NA	Solid	3546	
460-77515-F-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	3546	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	3546	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	3546	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	3546	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	3546	
LCS 460-230216/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-230216/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 230294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77583-E-24-E MS	Matrix Spike	Total/NA	Solid	8081B	230123
460-77583-E-24-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	230123
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	8081B	230123
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	8081B	230123
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	8081B	230123
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	8081B	230123
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	8081B	230123
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	8081B	230123
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	8081B	230123
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	8081B	230123
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	8081B	230123
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	8081B	230123
LCS 460-230123/2-A	Lab Control Sample	Total/NA	Solid	8081B	230123
MB 460-230123/1-A	Method Blank	Total/NA	Solid	8081B	230123

Prep Batch: 230333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-F-1-B MS	Matrix Spike	Total/NA	Solid	8151A	
460-77515-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	8151A	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	8151A	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	8151A	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	8151A	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	8151A	
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	8151A	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	8151A	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	8151A	
LCS 460-230333/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 460-230333/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 230342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77583-E-24-B MS	Matrix Spike	Total/NA	Solid	8082A	230119

GC Semi VOA (Continued)

Analysis Batch: 230342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77583-E-24-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	230119
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	8082A	230119
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	8082A	230119
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	8082A	230119
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	8082A	230119
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	8082A	230119
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	8082A	230119
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	8082A	230119
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	8082A	230119
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	8082A	230119
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	8082A	230119
LCS 460-230119/2-A	Lab Control Sample	Total/NA	Solid	8082A	230119
MB 460-230119/1-A	Method Blank	Total/NA	Solid	8082A	230119

Analysis Batch: 230432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-F-2-A MS	Matrix Spike	Total/NA	Solid	NJDEP EPH	230216
460-77515-F-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	NJDEP EPH	230216
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	NJDEP EPH	230216
LCS 460-230216/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	230216
MB 460-230216/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	230216

Analysis Batch: 230433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-F-2-A MS	Matrix Spike	Total/NA	Solid	NJDEP EPH	230216
460-77515-F-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	NJDEP EPH	230216
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	NJDEP EPH	230216
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	NJDEP EPH	230216
LCS 460-230216/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	230216
MB 460-230216/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	230216

Prep Batch: 230520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	3546	
460-77617-6 MS	TCHS-S3-9.5-10	Total/NA	Solid	3546	
460-77617-6 MSD	TCHS-S3-9.5-10	Total/NA	Solid	3546	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	3546	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	3546	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	3546	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	3546	
LCS 460-230520/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-230520/1-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Analysis Batch: 230525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77515-F-1-B MS	Matrix Spike	Total/NA	Solid	8151A	230333
460-77515-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	230333
LCS 460-230333/2-A	Lab Control Sample	Total/NA	Solid	8151A	230333
MB 460-230333/1-A	Method Blank	Total/NA	Solid	8151A	230333

Analysis Batch: 230531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	8151A	230333
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	8151A	230333
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	8151A	230333
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	8151A	230333
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	8151A	230333

Analysis Batch: 230532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	8151A	230333
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	8151A	230333
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	8151A	230333

Prep Batch: 230588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	8151A	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	8151A	
460-77617-10 MS	TCHS-S4 5.5-6.0	Total/NA	Solid	8151A	
460-77617-10 MSD	TCHS-S4 5.5-6.0	Total/NA	Solid	8151A	
LCS 460-230588/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 460-230588/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 230701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	8151A	230588
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	8151A	230588
460-77617-10 MS	TCHS-S4 5.5-6.0	Total/NA	Solid	8151A	230588
460-77617-10 MSD	TCHS-S4 5.5-6.0	Total/NA	Solid	8151A	230588
LCS 460-230588/2-A	Lab Control Sample	Total/NA	Solid	8151A	230588
MB 460-230588/1-A	Method Blank	Total/NA	Solid	8151A	230588

Analysis Batch: 230861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	NJDEP EPH	230216
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	NJDEP EPH	230520
460-77617-6 MS	TCHS-S3-9.5-10	Total/NA	Solid	NJDEP EPH	230520
460-77617-6 MSD	TCHS-S3-9.5-10	Total/NA	Solid	NJDEP EPH	230520
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	NJDEP EPH	230520
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	NJDEP EPH	230520
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	NJDEP EPH	230520
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	NJDEP EPH	230520
LCS 460-230520/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	230520
MB 460-230520/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	230520

GC Semi VOA (Continued)

Analysis Batch: 230881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	NJDEP EPH	230520
460-77617-6 MS	TCHS-S3-9.5-10	Total/NA	Solid	NJDEP EPH	230520
460-77617-6 MSD	TCHS-S3-9.5-10	Total/NA	Solid	NJDEP EPH	230520
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	NJDEP EPH	230520
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	NJDEP EPH	230520
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	NJDEP EPH	230520
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	NJDEP EPH	230520
LCS 460-230520/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	230520
MB 460-230520/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	230520

Analysis Batch: 231103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	NJ DEP EPH	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	NJ DEP EPH	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	NJ DEP EPH	

Analysis Batch: 231129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	NJ DEP EPH	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	NJ DEP EPH	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	NJ DEP EPH	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	NJ DEP EPH	

Metals

Prep Batch: 231318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	7471B	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	7471B	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	7471B	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	7471B	
460-77617-4 DU	TCHS-S5 9.5-10	Total/NA	Solid	7471B	
460-77617-4 MS	TCHS-S5 9.5-10	Total/NA	Solid	7471B	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	7471B	
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	7471B	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	7471B	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	7471B	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	7471B	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	7471B	
LCSSRM 460-231318/11-A ^50	Lab Control Sample	Total/NA	Solid	7471B	
MB 460-231318/10-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 231411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	7471B	231318
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	7471B	231318
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	7471B	231318

Metals (Continued)

Analysis Batch: 231411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	7471B	231318
460-77617-4 DU	TCHS-S5 9.5-10	Total/NA	Solid	7471B	231318
460-77617-4 MS	TCHS-S5 9.5-10	Total/NA	Solid	7471B	231318
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	7471B	231318
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	7471B	231318
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	7471B	231318
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	7471B	231318
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	7471B	231318
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	7471B	231318
LCSSRM 460-231318/11-A ^50	Lab Control Sample	Total/NA	Solid	7471B	231318
MB 460-231318/10-A	Method Blank	Total/NA	Solid	7471B	231318

Prep Batch: 231571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	3050B	
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	3050B	
460-77617-2 DU	TCHS-S6 9.5-10	Total/NA	Solid	3050B	
460-77617-2 MS	TCHS-S6 9.5-10	Total/NA	Solid	3050B	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	3050B	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	3050B	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	3050B	
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	3050B	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	3050B	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	3050B	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	3050B	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	3050B	
LCSSRM 460-231571/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-231571/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 231954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	6010C	231571
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	6010C	231571
460-77617-2 DU	TCHS-S6 9.5-10	Total/NA	Solid	6010C	231571
460-77617-2 MS	TCHS-S6 9.5-10	Total/NA	Solid	6010C	231571
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	6010C	231571
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	6010C	231571
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	6010C	231571
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	6010C	231571
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	6010C	231571
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	6010C	231571
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	6010C	231571
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	6010C	231571
LCSSRM 460-231571/2-A	Lab Control Sample	Total/NA	Solid	6010C	231571
MB 460-231571/1-A ^2	Method Blank	Total/NA	Solid	6010C	231571

General Chemistry

Analysis Batch: 230488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-1	TCHS-S6-0-0.5	Total/NA	Solid	Moisture	
460-77617-3	TCHS-S5 0-0.5	Total/NA	Solid	Moisture	
460-77617-4	TCHS-S5 9.5-10	Total/NA	Solid	Moisture	
460-77617-5	TCHS-S3 0-0.5	Total/NA	Solid	Moisture	
460-77617-6	TCHS-S3-9.5-10	Total/NA	Solid	Moisture	
460-77617-7	TCHS-S2 0-0.5	Total/NA	Solid	Moisture	
460-77617-8	TCHS-S2 9.5-10	Total/NA	Solid	Moisture	
460-77617-9	TCHS-S4 0-0.5	Total/NA	Solid	Moisture	
460-77617-10	TCHS-S4 5.5-6.0	Total/NA	Solid	Moisture	
460-77649-A-9 DU	Duplicate	Total/NA	Solid	Moisture	
500-78509-A-2 MS	Matrix Spike	Total/NA	Solid	Moisture	
500-78509-A-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 230539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-77617-2	TCHS-S6 9.5-10	Total/NA	Solid	Moisture	
460-77620-E-1 DU	Duplicate	Total/NA	Solid	Moisture	

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S6-0-0.5

Lab Sample ID: 460-77617-1

Date Collected: 06/11/14 10:10
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 22:41	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 10:46	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 13:14	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 20:39	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 02:33	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 02:34	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 16:04	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 16:04	HJK	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 13:50	YZH	TAL EDI
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 12:56	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Client Sample ID: TCHS-S6 9.5-10

Lab Sample ID: 460-77617-2

Date Collected: 06/11/14 09:55
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 22:46	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 11:58	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 13:41	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 20:54	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 02:50	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230532	06/14/14 07:36	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 16:20	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 16:20	HJK	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 13:36	YZH	TAL EDI

Client Sample ID: TCHS-S6 9.5-10

Lab Sample ID: 460-77617-2

Date Collected: 06/11/14 09:55
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 12:59	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230539	06/13/14 14:43	CJA	TAL EDI

Client Sample ID: TCHS-S5 0-0.5

Lab Sample ID: 460-77617-3

Date Collected: 06/11/14 13:55
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 22:51	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 12:22	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 14:07	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 21:10	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 03:06	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 02:55	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 16:35	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 16:35	HJK	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 14:04	YZH	TAL EDI
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 13:00	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Client Sample ID: TCHS-S5 9.5-10

Lab Sample ID: 460-77617-4

Date Collected: 06/11/14 13:25
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 22:56	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 12:46	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 14:34	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 21:25	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 03:22	JHP	TAL EDI

Lab Chronicle

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S5 9.5-10

Lab Sample ID: 460-77617-4

Date Collected: 06/11/14 13:25
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 04:43	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230432	06/13/14 16:50	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 16:50	HJK	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 14:08	YZH	TAL EDI
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 12:29	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Client Sample ID: TCHS-S3 0-0.5

Lab Sample ID: 460-77617-5

Date Collected: 06/11/14 15:25
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 23:00	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 13:10	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	109140	06/20/14 14:04	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 21:41	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 03:38	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 03:17	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231129	06/17/14 08:56	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230433	06/13/14 17:05	HJK	TAL EDI
Total/NA	Prep	3546			230216	06/12/14 12:45	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230861	06/16/14 09:30	DAN	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 14:11	YZH	TAL EDI
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 13:07	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Client Sample ID: TCHS-S3-9.5-10

Lab Sample ID: 460-77617-6

Date Collected: 06/11/14 14:50

Matrix: Solid

Date Received: 06/11/14 20:30

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 23:05	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 13:35	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 16:22	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 21:57	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 03:53	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230532	06/14/14 07:58	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231103	06/17/14 07:41	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230881	06/16/14 10:31	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230861	06/16/14 10:46	DAN	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 14:15	YZH	TAL EDI
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 13:09	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Client Sample ID: TCHS-S2 0-0.5

Lab Sample ID: 460-77617-7

Date Collected: 06/11/14 16:15

Matrix: Solid

Date Received: 06/11/14 20:30

Percent Solids: 66.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 23:10	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 13:59	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 16:48	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 22:12	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 04:09	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230531	06/14/14 04:21	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231103	06/17/14 07:41	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230881	06/16/14 11:47	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230861	06/16/14 12:02	DAN	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 14:18	YZH	TAL EDI

Client Sample ID: TCHS-S2 0-0.5

Lab Sample ID: 460-77617-7

Date Collected: 06/11/14 16:15

Matrix: Solid

Date Received: 06/11/14 20:30

Percent Solids: 66.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		2	231411	06/18/14 13:13	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Client Sample ID: TCHS-S2 9.5-10

Lab Sample ID: 460-77617-8

Date Collected: 06/11/14 16:20

Matrix: Solid

Date Received: 06/11/14 20:30

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 23:15	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 14:23	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 17:15	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 22:28	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 04:26	JHP	TAL EDI
Total/NA	Prep	8151A			230333	06/12/14 20:27	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230532	06/14/14 08:19	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231103	06/17/14 07:41	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230881	06/16/14 12:02	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230861	06/16/14 12:17	DAN	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 14:22	YZH	TAL EDI
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 13:15	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Client Sample ID: TCHS-S4 0-0.5

Lab Sample ID: 460-77617-9

Date Collected: 06/11/14 14:00

Matrix: Solid

Date Received: 06/11/14 20:30

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 23:20	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 14:47	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 17:42	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 22:44	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 04:42	JHP	TAL EDI

Lab Chronicle

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Client Sample ID: TCHS-S4 0-0.5

Lab Sample ID: 460-77617-9

Date Collected: 06/11/14 14:00
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			230588	06/13/14 18:33	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230701	06/14/14 21:21	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231103	06/17/14 07:41	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230881	06/16/14 12:17	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230861	06/16/14 12:32	DAN	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 14:25	YZH	TAL EDI
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 13:17	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Client Sample ID: TCHS-S4 5.5-6.0

Lab Sample ID: 460-77617-10

Date Collected: 06/11/14 14:40
Matrix: Solid
Date Received: 06/11/14 20:30
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			230059	06/11/14 23:24	DBM	TAL EDI
Total/NA	Analysis	8260C		1	231801	06/20/14 15:11	AAT	TAL EDI
Total/NA	Prep	3541			108827	06/18/14 03:05	KLG	TAL PIT
Total/NA	Analysis	8270D		1	108993	06/19/14 18:09	VVP	TAL PIT
Total/NA	Prep	3546			230123	06/12/14 07:34	ARA	TAL EDI
Total/NA	Analysis	8081B		1	230294	06/12/14 23:00	CBB	TAL EDI
Total/NA	Prep	3546			230119	06/12/14 07:26	ARA	TAL EDI
Total/NA	Analysis	8082A		1	230342	06/13/14 04:58	JHP	TAL EDI
Total/NA	Prep	8151A			230588	06/13/14 18:33	JMS	TAL EDI
Total/NA	Analysis	8151A		1	230701	06/14/14 21:42	TSF	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	231103	06/17/14 07:41	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230881	06/16/14 12:32	DAN	TAL EDI
Total/NA	Prep	3546			230520	06/13/14 13:53	FHW	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	230861	06/16/14 12:47	DAN	TAL EDI
Total/NA	Prep	3050B			231571	06/19/14 06:56	MDC	TAL EDI
Total/NA	Analysis	6010C		4	231954	06/20/14 14:29	YZH	TAL EDI
Total/NA	Prep	7471B			231318	06/18/14 06:30	TJS	TAL EDI
Total/NA	Analysis	7471B		1	231411	06/18/14 13:18	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	230488	06/13/14 11:44	CJA	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New Jersey	NELAP	2	12028	06-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8082A	3546	Solid	Polychlorinated biphenyls, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-14 *
California	NELAP	9	4224CA	03-31-14 *
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-14 *
Illinois	NELAP	5	002602	06-30-14 *
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-14 *
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-14 *
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-14 *
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14

* Certification renewal pending - certification considered valid.

Method Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
NJ DEP EPH	New Jersey - Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
6010C	Metals (ICP)	SW846	TAL EDI
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

NJDEP = New Jersey Department of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-77617-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-77617-1	TCHS-S6-0-0.5	Solid	06/11/14 10:10	06/11/14 20:30
460-77617-2	TCHS-S6 9.5-10	Solid	06/11/14 09:55	06/11/14 20:30
460-77617-3	TCHS-S5 0-0.5	Solid	06/11/14 13:55	06/11/14 20:30
460-77617-4	TCHS-S5 9.5-10	Solid	06/11/14 13:25	06/11/14 20:30
460-77617-5	TCHS-S3 0-0.5	Solid	06/11/14 15:25	06/11/14 20:30
460-77617-6	TCHS-S3-9.5-10	Solid	06/11/14 14:50	06/11/14 20:30
460-77617-7	TCHS-S2 0-0.5	Solid	06/11/14 16:15	06/11/14 20:30
460-77617-8	TCHS-S2 9.5-10	Solid	06/11/14 16:20	06/11/14 20:30
460-77617-9	TCHS-S4 0-0.5	Solid	06/11/14 14:00	06/11/14 20:30
460-77617-10	TCHS-S4 5.5-6.0	Solid	06/11/14 14:40	06/11/14 20:30

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

460-77617 Chain of Custody

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN O EST

Page 1 of 1

Name (for report and invoice)	Samplers Name (Printed)	Site/Project Identification
Nick Taylor	Nick Taylor	TCHS 50A
Company	**P. O. #**	**State (Location of site):** NJ: ☒ NY: ☐ Other:
CB&I	151994	**Regulatory Program:** NJ Reduced Formal
Address	**Analysis Turnaround Time**	
200 Horizon Center	Standard ☒	
City / **State**	Rush Charges Authorized For.	
Trenton / NJ	2 Week ☐	
Phone / **Fax**	1 Week ☐	
609 588 0372	Other ☐	

Sample Identification	Date	Time	Matrix	No. of Cont.	8260 Metals TAL Comp	EPH	PCBs 8082	Hgs 8151A	PCBs 8082A	BNA/Acids 625D	Hg 7471B	Mercaptans	VOCs 8260C	Sample Numbers
TCHS-56-0-0.5	6/11/14	1010	Soil	6	X	X	X	X	X	X	X		X	-1
TCHS-56 9.5-10		955	Soil	6	X									-2
TCHS-55 0-0.5		1355	Soil	6	X									-3
TCHS-55 9.5-10		1325	Soil	6	X									-4
TCHS-53 0-0.5		1525	Soil	6	X									-5
TCHS-53-9.5-10		1450	Soil	6	X									-6
TCHS-52 0.-0.5		1615	Soil	6	X									-7
TCHS-52 9.5-10		1620	Soil	6	X									-8
TCHS-54 0-0.5		1400	Soil	6	X									-9
TCHS-54 5.5-6.0		1448	Soil	6	X									-10

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____
Soil: Water:

LAB USE ONLY
Project No:
Job No: 77617

SHORT HOLD

Special Instructions

Water Metals Filtered (Yes/No)

Relinquished by	Company	Date / Time	Received by	Company
1)	CB&I	6/11/14 1630	1)	
2)		6/11/14 2030	2)	TAEL 6/11/14 20:30
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

IRS - NJ CS 0.0 ~~1.0~~ 1.9 - 1.2 3.1

6/23/2014

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 57617

Number of Coolers: 2 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	0.0 °C	1.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.2 °C	3.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 6/11/14

Login Sample Receipt Checklist

Client: Shaw Environmental &Infrastructure CB&I

Job Number: 460-77617-1

Login Number: 77617

List Source: TestAmerica Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9°C, 3.1°C, IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Shaw Environmental &Infrastructure CB&I

Job Number: 460-77617-1

Login Number: 77617
List Number: 2
Creator: Butcher, Ryan M

List Source: TestAmerica Pittsburgh
List Creation: 06/14/14 12:29 PM

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-84357-1
Client Project/Site: NJSDA - Trenton Central High School

For:
Shaw Environmental &Infrastructure CB&I
200 Horizon Center Blvd.
Trenton, New Jersey 08691-1904

Attn: Mr. Mike Vollo

Authorized for release by:
10/31/2014 2:23:03 PM
Sarah Brown, Project Management Assistant II
(732)549-3900
sarah.brown@testamericainc.com

Designee for

Kristyn Tempe, Project Manager II
(732)549-3900
kristyn.tempe@testamericainc.com

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	Recovery or RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job ID: 460-84357-1

Laboratory: TestAmerica Edison

Narrative

CASE NARRATIVE

Client: Shaw Environmental &Infrastructure CB&I

Project: NJSDA - Trenton Central High School

Report Number: 460-84357-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 10/10/2014 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9º C.

Except:

The following samples were activated for As and Pb analysis by the client on 10/23/14: 460-84357-7, 460-84357-9, 460-84357-11, 460-84357-13, 460-84357-15, 460-84357-17, 460-84357-19, 460-84357-21, 460-84357-23.

The following samples was canceled for As and Pb analysis by the client on 10/23/14: 460-84357-8,460-84357-10, 460-84357-12, 460-84357-14, 460-84357-16, 460-84357-18, 460-84357-20, 460-84357-22, 460-84357-24.

The following samples were canceled for PAH analysis by the client on 10/23/14: 460-84357-7, 460-84357-8, 460-84357-9, 460-84357-10, 460-84357-11, 460-84357-12, 460-84357-13, 460-84357-14, 460-84357-15, 460-84357-16, 460-84357-17, 460-84357-18.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS

Samples SS-5 0"-6" (460-84357-1), SS-5 18"-24" (460-84357-2), SS-3 0"-6" (460-84357-3) and SS-3 18"-24" (460-84357-4) were analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/13/2014 and analyzed on 10/16/2014.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 255536 had one analyte (Benzo(a)pyrene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Job ID: 460-84357-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

The continuing calibration verification (CCV) analyzed in batch 256753 was outside the method criteria for the following analyte and surrogate: Pyrene, Terphenyl-d14. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Refer to the QC report for details.

No other difficulties were encountered during the Semivolatile organic compounds analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples SS-5 0"-6" (460-84357-1), SS-5 18"-24" (460-84357-2), SS-3 0"-6" (460-84357-3), SS-3 18"-24" (460-84357-4), SS-2 0"-6" (460-84357-5), SS-2 18"-24" (460-84357-6), SS-5A 0"-6" (460-84357-7), SS-5B 0"-6" (460-84357-9), SS-5C 0"-6" (460-84357-11), SS-3A 0"-6" (460-84357-13), SS-3B 0"-6" (460-84357-15), SS-3C 0"-6" (460-84357-17), SS-2A 0"-6" (460-84357-19), SS-2B 0"-6" (460-84357-21) and SS-2C 0"-6" (460-84357-23) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 10/14/2014 and 10/23/2014 and analyzed on 10/14/2014 and 10/24/2014.

Arsenic and Lead failed the recovery criteria low for the MS of sample 460-84334-1 in batch 460-255837.

Lead failed the recovery criteria low for the MS of sample 460-84357-7 in batch 460-258098.

Refer to the QC report for details.

Samples SS-5 0"-6" (460-84357-1)[4X], SS-5 18"-24" (460-84357-2)[4X], SS-3 0"-6" (460-84357-3)[4X], SS-3 18"-24" (460-84357-4)[4X], SS-2 0"-6" (460-84357-5)[4X], SS-2 18"-24" (460-84357-6)[4X], SS-5A 0"-6" (460-84357-7)[4X], SS-5B 0"-6" (460-84357-9)[4X], SS-5C 0"-6" (460-84357-11)[4X], SS-3A 0"-6" (460-84357-13)[4X], SS-3B 0"-6" (460-84357-15)[4X], SS-3C 0"-6" (460-84357-17)[4X], SS-2A 0"-6" (460-84357-19)[4X], SS-2B 0"-6" (460-84357-21)[4X] and SS-2C 0"-6" (460-84357-23)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples SS-5 0"-6" (460-84357-1), SS-5 18"-24" (460-84357-2), SS-3 0"-6" (460-84357-3), SS-3 18"-24" (460-84357-4), SS-2 0"-6" (460-84357-5), SS-2 18"-24" (460-84357-6), SS-5A 0"-6" (460-84357-7), SS-5A 18"-24" (460-84357-8), SS-5B 0"-6" (460-84357-9), SS-5B 18"-24" (460-84357-10), SS-5C 0"-6" (460-84357-11), SS-5C 18"-24" (460-84357-12), SS-3A 0"-6" (460-84357-13), SS-3A 18"-24" (460-84357-14), SS-3B 0"-6" (460-84357-15), SS-3B 18"-24" (460-84357-16), SS-3C 0"-6" (460-84357-17), SS-3C 18"-24" (460-84357-18), SS-2A 0"-6" (460-84357-19), SS-2A 18"-24" (460-84357-20), SS-2B 0"-6" (460-84357-21), SS-2B 18"-24" (460-84357-22), SS-2C 0"-6" (460-84357-23) and SS-2C 18"-24" (460-84357-24) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 10/13/2014.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Client Sample ID: SS-5 0"-6" — Lab Sample ID: 460-84357-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	11	J	360	8.8	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	13	J	360	9.3	ug/Kg	1	☼	8270D	Total/NA
Anthracene	36	J	360	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	140		36	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	140	*	36	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	260		36	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	160	J	360	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	85		36	16	ug/Kg	1	☼	8270D	Total/NA
Chrysene	220	J	360	9.9	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	49		36	19	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	300	J	360	11	ug/Kg	1	☼	8270D	Total/NA
Fluorene	17	J	360	7.9	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	170		36	24	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	31	J	360	9.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	220	J	360	9.6	ug/Kg	1	☼	8270D	Total/NA
Pyrene	290	J	360	16	ug/Kg	1	☼	8270D	Total/NA
Arsenic	35.4		3.0	0.83	mg/Kg	4	☼	6010C	Total/NA
Lead	386		2.0	0.83	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-5 18"-24" — Lab Sample ID: 460-84357-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.6		2.9	0.78	mg/Kg	4	☼	6010C	Total/NA
Lead	9.6		1.9	0.79	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-3 0"-6" — Lab Sample ID: 460-84357-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	10	J	350	9.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	110		35	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	100	*	35	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	180		35	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	130	J	350	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	65		35	15	ug/Kg	1	☼	8270D	Total/NA
Chrysene	160	J	350	9.5	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	30	J	35	18	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	230	J	350	10	ug/Kg	1	☼	8270D	Total/NA
Fluorene	8.9	J	350	7.6	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	120		35	23	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	18	J	350	8.9	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	140	J	350	9.3	ug/Kg	1	☼	8270D	Total/NA
Pyrene	220	J	350	16	ug/Kg	1	☼	8270D	Total/NA
Arsenic	17.7		2.8	0.77	mg/Kg	4	☼	6010C	Total/NA
Lead	179		1.9	0.78	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-3 18"-24" — Lab Sample ID: 460-84357-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	14	J	35	14	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	11	J	350	10	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS-3 18"-24" (Continued) — Lab Sample ID: 460-84357-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.95	J	3.1	0.85	mg/Kg	4	☼	6010C	Total/NA
Lead	3.8		2.1	0.86	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-2 0"-6" — Lab Sample ID: 460-84357-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	52.7		2.9	0.79	mg/Kg	4	☼	6010C	Total/NA
Lead	620		1.9	0.79	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-2 18"-24" — Lab Sample ID: 460-84357-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.2		3.1	0.86	mg/Kg	4	☼	6010C	Total/NA
Lead	10.9		2.1	0.86	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-5A 0"-6" — Lab Sample ID: 460-84357-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	43.1		2.5	0.68	mg/Kg	4	☼	6010C	Total/NA
Lead	324		1.7	0.68	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-5A 18"-24" — Lab Sample ID: 460-84357-8

No Detections.

Client Sample ID: SS-5B 0"-6" — Lab Sample ID: 460-84357-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	44.9		2.7	0.73	mg/Kg	4	☼	6010C	Total/NA
Lead	230		1.8	0.73	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-5B 18"-24" — Lab Sample ID: 460-84357-10

No Detections.

Client Sample ID: SS-5C 0"-6" — Lab Sample ID: 460-84357-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	26.5		2.7	0.73	mg/Kg	4	☼	6010C	Total/NA
Lead	264		1.8	0.73	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-5C 18"-24" — Lab Sample ID: 460-84357-12

No Detections.

Client Sample ID: SS-3A 0"-6" — Lab Sample ID: 460-84357-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	38.8		2.7	0.74	mg/Kg	4	☼	6010C	Total/NA
Lead	246		1.8	0.75	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Client Sample ID: SS-3A 18"-24" — Lab Sample ID: 460-84357-14

No Detections.

Client Sample ID: SS-3B 0"-6" — Lab Sample ID: 460-84357-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	20.7		2.6	0.71	mg/Kg	4	☼	6010C	Total/NA
Lead	264		1.7	0.72	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-3B 18"-24" — Lab Sample ID: 460-84357-16

No Detections.

Client Sample ID: SS-3C 0"-6" — Lab Sample ID: 460-84357-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.4		2.6	0.71	mg/Kg	4	☼	6010C	Total/NA
Lead	55.3		1.7	0.71	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-3C 18"-24" — Lab Sample ID: 460-84357-18

No Detections.

Client Sample ID: SS-2A 0"-6" — Lab Sample ID: 460-84357-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.0		2.5	0.69	mg/Kg	4	☼	6010C	Total/NA
Lead	210		1.7	0.69	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-2A 18"-24" — Lab Sample ID: 460-84357-20

No Detections.

Client Sample ID: SS-2B 0"-6" — Lab Sample ID: 460-84357-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	88.0		2.5	0.69	mg/Kg	4	☼	6010C	Total/NA
Lead	770		1.7	0.69	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-2B 18"-24" — Lab Sample ID: 460-84357-22

No Detections.

Client Sample ID: SS-2C 0"-6" — Lab Sample ID: 460-84357-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	26.1		2.7	0.74	mg/Kg	4	☼	6010C	Total/NA
Lead	284		1.8	0.74	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: SS-2C 18"-24" — Lab Sample ID: 460-84357-24

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Client Sample ID: SS-5 0"-6"

Lab Sample ID: 460-84357-1

Date Collected: 10/09/14 08:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 91.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	11	J	360	8.8	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Acenaphthylene	13	J	360	9.3	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Anthracene	36	J	360	34	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Benzo[a]anthracene	140		36	30	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Benzo[a]pyrene	140	*	36	11	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Benzo[b]fluoranthene	260		36	14	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Benzo[g,h,i]perylene	160	J	360	21	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Benzo[k]fluoranthene	85		36	16	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Chrysene	220	J	360	9.9	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Dibenz(a,h)anthracene	49		36	19	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Fluoranthene	300	J	360	11	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Fluorene	17	J	360	7.9	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Indeno[1,2,3-cd]pyrene	170		36	24	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Naphthalene	31	J	360	9.2	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Phenanthrene	220	J	360	9.6	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1
Pyrene	290	J	360	16	ug/Kg	☼	10/13/14 12:41	10/16/14 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*40 - 109*	*10/13/14 12:41*	*10/16/14 22:15*	*1*
Nitrobenzene-d5 (Surr)	*51*		*38 - 105*	*10/13/14 12:41*	*10/16/14 22:15*	*1*
Terphenyl-d14 (Surr)	*61*		*16 - 151*	*10/13/14 12:41*	*10/16/14 22:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	35.4		3.0	0.83	mg/Kg	☼	10/14/14 07:26	10/14/14 17:32	4
Lead	386		2.0	0.83	mg/Kg	☼	10/14/14 07:26	10/14/14 17:32	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.4		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	91.6		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-5 18"-24"

Lab Sample ID: 460-84357-2

Date Collected: 10/09/14 08:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 95.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	8.3	U	340	8.3	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Acenaphthylene	8.9	U	340	8.9	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Anthracene	33	U	340	33	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Benzo[a]anthracene	29	U	34	29	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Benzo[a]pyrene	10	U *	34	10	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Benzo[b]fluoranthene	13	U	34	13	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Benzo[g,h,i]perylene	20	U	340	20	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Benzo[k]fluoranthene	15	U	34	15	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Chrysene	9.4	U	340	9.4	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Dibenz(a,h)anthracene	18	U	34	18	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Fluoranthene	10	U	340	10	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Fluorene	7.5	U	340	7.5	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1

Client Sample ID: SS-5 18"-24"

Lab Sample ID: 460-84357-2
Date Collected: 10/09/14 08:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 95.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	23	U	34	23	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Naphthalene	8.7	U	340	8.7	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Phenanthrene	9.2	U	340	9.2	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1
Pyrene	16	U	340	16	ug/Kg	☼	10/13/14 12:41	10/16/14 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*40 - 109*	*10/13/14 12:41*	*10/16/14 18:32*	*1*
Nitrobenzene-d5 (Surr)	*68*		*38 - 105*	*10/13/14 12:41*	*10/16/14 18:32*	*1*
Terphenyl-d14 (Surr)	*78*		*16 - 151*	*10/13/14 12:41*	*10/16/14 18:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		2.9	0.78	mg/Kg	☼	10/14/14 07:26	10/14/14 17:35	4
Lead	**9.6**		1.9	0.79	mg/Kg	☼	10/14/14 07:26	10/14/14 17:35	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.1**		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	**95.9**		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-3 0"-6"

Lab Sample ID: 460-84357-3
Date Collected: 10/09/14 09:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 94.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	8.5	U	350	8.5	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Acenaphthylene	**10**	**J**	350	9.0	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Anthracene	33	U	350	33	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Benzo[a]anthracene	**110**		35	29	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Benzo[a]pyrene	**100**	*	35	11	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Benzo[b]fluoranthene	**180**		35	14	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Benzo[g,h,i]perylene	**130**	**J**	350	20	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Benzo[k]fluoranthene	**65**		35	15	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Chrysene	**160**	**J**	350	9.5	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Dibenz(a,h)anthracene	**30**	**J**	35	18	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Fluoranthene	**230**	**J**	350	10	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Fluorene	**8.9**	**J**	350	7.6	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Indeno[1,2,3-cd]pyrene	**120**		35	23	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Naphthalene	**18**	**J**	350	8.9	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Phenanthrene	**140**	**J**	350	9.3	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1
Pyrene	**220**	**J**	350	16	ug/Kg	☼	10/13/14 12:41	10/16/14 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*40 - 109*	*10/13/14 12:41*	*10/16/14 21:50*	*1*
Nitrobenzene-d5 (Surr)	*57*		*38 - 105*	*10/13/14 12:41*	*10/16/14 21:50*	*1*
Terphenyl-d14 (Surr)	*73*		*16 - 151*	*10/13/14 12:41*	*10/16/14 21:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**17.7**		2.8	0.77	mg/Kg	☼	10/14/14 07:26	10/14/14 17:39	4

Client Sample ID: SS-3 0"-6"

Lab Sample ID: 460-84357-3
Date Collected: 10/09/14 09:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 94.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**179**		1.9	0.78	mg/Kg	☼	10/14/14 07:26	10/14/14 17:39	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.4**		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	**94.6**		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-3 18"-24"

Lab Sample ID: 460-84357-4
Date Collected: 10/09/14 09:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 94.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	8.5	U	350	8.5	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Acenaphthylene	9.0	U	350	9.0	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Anthracene	33	U	350	33	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Benzo[a]anthracene	29	U	35	29	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Benzo[a]pyrene	11	U *	35	11	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Benzo[b]fluoranthene	**14**	**J**	35	14	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Benzo[g,h,i]perylene	20	U	350	20	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Benzo[k]fluoranthene	15	U	35	15	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Chrysene	9.5	U	350	9.5	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Dibenz(a,h)anthracene	18	U	35	18	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Fluoranthene	**11**	**J**	350	10	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Fluorene	7.6	U	350	7.6	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Indeno[1,2,3-cd]pyrene	23	U	35	23	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Naphthalene	8.9	U	350	8.9	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Phenanthrene	9.3	U	350	9.3	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1
Pyrene	16	U	350	16	ug/Kg	☼	10/13/14 12:41	10/16/14 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*40 - 109*	*10/13/14 12:41*	*10/16/14 18:08*	*1*
Nitrobenzene-d5 (Surr)	*68*		*38 - 105*	*10/13/14 12:41*	*10/16/14 18:08*	*1*
Terphenyl-d14 (Surr)	*83*		*16 - 151*	*10/13/14 12:41*	*10/16/14 18:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.95**	**J**	3.1	0.85	mg/Kg	☼	10/14/14 07:26	10/14/14 17:53	4
Lead	**3.8**		2.1	0.86	mg/Kg	☼	10/14/14 07:26	10/14/14 17:53	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	**94.1**		1.0	1.0	%			10/13/14 14:19	1

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Client Sample ID: SS-2 0"-6"

Lab Sample ID: 460-84357-5
Date Collected: 10/09/14 10:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 92.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	52.7		2.9	0.79	mg/Kg	☼	10/14/14 07:26	10/14/14 17:57	4
Lead	620		1.9	0.79	mg/Kg	☼	10/14/14 07:26	10/14/14 17:57	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.2		1.0	1.0	%			10/13/14 14:50	1
Percent Solids	92.8		1.0	1.0	%			10/13/14 14:50	1

Client Sample ID: SS-2 18"-24"

Lab Sample ID: 460-84357-6
Date Collected: 10/09/14 10:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 93.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.2		3.1	0.86	mg/Kg	☼	10/14/14 07:26	10/14/14 18:01	4
Lead	10.9		2.1	0.86	mg/Kg	☼	10/14/14 07:26	10/14/14 18:01	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.3		1.0	1.0	%			10/13/14 14:50	1
Percent Solids	93.7		1.0	1.0	%			10/13/14 14:50	1

Client Sample ID: SS-5A 0"-6"

Lab Sample ID: 460-84357-7
Date Collected: 10/09/14 08:55
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 94.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	43.1		2.5	0.68	mg/Kg	☼	10/23/14 15:57	10/24/14 12:38	4
Lead	324		1.7	0.68	mg/Kg	☼	10/23/14 15:57	10/24/14 12:38	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.6		1.0	1.0	%			10/13/14 14:50	1
Percent Solids	94.4		1.0	1.0	%			10/13/14 14:50	1

Client Sample ID: SS-5A 18"-24"

Lab Sample ID: 460-84357-8
Date Collected: 10/09/14 08:55
Matrix: Solid
Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.7		1.0	1.0	%			10/13/14 14:50	1
Percent Solids	96.3		1.0	1.0	%			10/13/14 14:50	1

Client Sample ID: SS-5B 0"-6"

Lab Sample ID: 460-84357-9
Date Collected: 10/09/14 09:05
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 94.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	44.9		2.7	0.73	mg/Kg	☼	10/23/14 15:57	10/24/14 12:52	4
Lead	230		1.8	0.73	mg/Kg	☼	10/23/14 15:57	10/24/14 12:52	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.5		1.0	1.0	%			10/13/14 14:50	1
Percent Solids	94.5		1.0	1.0	%			10/13/14 14:50	1

Client Sample ID: SS-5B 18"-24"

Lab Sample ID: 460-84357-10
Date Collected: 10/09/14 09:05
Matrix: Solid
Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.5		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	93.5		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-5C 0"-6"

Lab Sample ID: 460-84357-11
Date Collected: 10/09/14 09:20
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 93.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26.5		2.7	0.73	mg/Kg	☼	10/23/14 15:57	10/24/14 12:55	4
Lead	264		1.8	0.73	mg/Kg	☼	10/23/14 15:57	10/24/14 12:55	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.6		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	93.4		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-5C 18"-24"

Lab Sample ID: 460-84357-12
Date Collected: 10/09/14 09:20
Matrix: Solid
Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	2.6		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	97.4		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-3A 0"-6"

Lab Sample ID: 460-84357-13
Date Collected: 10/09/14 10:00
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 92.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	38.8		2.7	0.74	mg/Kg	☼	10/23/14 15:57	10/24/14 13:11	4
Lead	246		1.8	0.75	mg/Kg	☼	10/23/14 15:57	10/24/14 13:11	4

Client Sample ID: SS-3A 0"-6"

Lab Sample ID: 460-84357-13
Date Collected: 10/09/14 10:00
Matrix: Solid
Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.6		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	92.4		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-3A 18"-24"

Lab Sample ID: 460-84357-14
Date Collected: 10/09/14 10:00
Matrix: Solid
Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.4		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	94.6		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-3B 0"-6"

Lab Sample ID: 460-84357-15
Date Collected: 10/09/14 10:15
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 91.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20.7		2.6	0.71	mg/Kg	☼	10/23/14 15:57	10/24/14 13:15	4
Lead	264		1.7	0.72	mg/Kg	☼	10/23/14 15:57	10/24/14 13:15	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.0		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	91.0		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-3B 18"-24"

Lab Sample ID: 460-84357-16
Date Collected: 10/09/14 10:15
Matrix: Solid
Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.7		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	95.3		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-3C 0"-6"

Lab Sample ID: 460-84357-17
Date Collected: 10/09/14 10:30
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 93.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.4		2.6	0.71	mg/Kg	☼	10/23/14 15:57	10/24/14 13:18	4
Lead	55.3		1.7	0.71	mg/Kg	☼	10/23/14 15:57	10/24/14 13:18	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.4		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	93.6		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-3C 18"-24"

Lab Sample ID: 460-84357-18

Date Collected: 10/09/14 10:30

Matrix: Solid

Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	92.3		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-2A 0"-6"

Lab Sample ID: 460-84357-19

Date Collected: 10/09/14 10:55

Matrix: Solid

Date Received: 10/10/14 13:00

Percent Solids: 94.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.0		2.5	0.69	mg/Kg	☼	10/23/14 15:57	10/24/14 13:22	4
Lead	210		1.7	0.69	mg/Kg	☼	10/23/14 15:57	10/24/14 13:22	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.0		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	94.0		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-2A 18"-24"

Lab Sample ID: 460-84357-20

Date Collected: 10/09/14 10:55

Matrix: Solid

Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.9		1.0	1.0	%			10/13/14 14:50	1
Percent Solids	94.1		1.0	1.0	%			10/13/14 14:50	1

Client Sample ID: SS-2B 0"-6"

Lab Sample ID: 460-84357-21

Date Collected: 10/09/14 11:15

Matrix: Solid

Date Received: 10/10/14 13:00

Percent Solids: 94.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	88.0		2.5	0.69	mg/Kg	☼	10/23/14 15:57	10/24/14 13:25	4
Lead	770		1.7	0.69	mg/Kg	☼	10/23/14 15:57	10/24/14 13:25	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.9		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	94.1		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-2B 18"-24"

Lab Sample ID: 460-84357-22

Date Collected: 10/09/14 11:15

Matrix: Solid

Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.3		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	94.7		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-2C 0"-6"

Lab Sample ID: 460-84357-23

Date Collected: 10/09/14 11:30
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 92.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26.1		2.7	0.74	mg/Kg	☼	10/23/14 15:57	10/24/14 13:29	4
Lead	284		1.8	0.74	mg/Kg	☼	10/23/14 15:57	10/24/14 13:29	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.1		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	92.9		1.0	1.0	%			10/13/14 14:19	1

Client Sample ID: SS-2C 18"-24"

Lab Sample ID: 460-84357-24

Date Collected: 10/09/14 11:30
Matrix: Solid
Date Received: 10/10/14 13:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.5		1.0	1.0	%			10/13/14 14:19	1
Percent Solids	93.5		1.0	1.0	%			10/13/14 14:19	1

Surrogate Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		FBP	NBZ	TPH						
Lab Sample ID	Client Sample ID	(40-109)	(38-105)	(16-151)						
460-84335-A-1-C MS - DL	Matrix Spike	60	38	58						
460-84335-A-1-D MSD - DL	Matrix Spike Duplicate	64	53	65						
460-84357-1	SS-5 0"-6"	58	51	61						
460-84357-2	SS-5 18"-24"	68	68	78						
460-84357-3	SS-3 0"-6"	63	57	73						
460-84357-4	SS-3 18"-24"	69	68	83						
LCS 460-255536/2-A	Lab Control Sample	83	81	101						
MB 460-255536/1-A	Method Blank	82	84	93						

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-255536/1-A
Matrix: Solid
Analysis Batch: 256329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 255536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	8.0	U	330	8.0	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Acenaphthylene	8.5	U	330	8.5	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Anthracene	31	U	330	31	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Benzo[a]anthracene	28	U	33	28	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Benzo[a]pyrene	10	U	33	10	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Benzo[b]fluoranthene	13	U	33	13	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Benzo[g,h,i]perylene	19	U	330	19	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Benzo[k]fluoranthene	14	U	33	14	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Chrysene	9.0	U	330	9.0	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Dibenz(a,h)anthracene	17	U	33	17	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Fluoranthene	9.8	U	330	9.8	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Fluorene	7.2	U	330	7.2	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Indeno[1,2,3-cd]pyrene	22	U	33	22	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Naphthalene	8.4	U	330	8.4	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Phenanthrene	8.8	U	330	8.8	ug/Kg		10/13/14 12:41	10/16/14 16:04	1
Pyrene	15	U	330	15	ug/Kg		10/13/14 12:41	10/16/14 16:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*40 - 109*	*10/13/14 12:41*	*10/16/14 16:04*	*1*
Nitrobenzene-d5 (Surr)	*84*		*38 - 105*	*10/13/14 12:41*	*10/16/14 16:04*	*1*
Terphenyl-d14 (Surr)	*93*		*16 - 151*	*10/13/14 12:41*	*10/16/14 16:04*	*1*

Lab Sample ID: LCS 460-255536/2-A
Matrix: Solid
Analysis Batch: 256480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3340	2810		ug/Kg		84	46 - 100
Acenaphthylene	3340	2980		ug/Kg		89	51 - 103
Anthracene	3340	3040		ug/Kg		91	50 - 107
Benzo[a]anthracene	3340	2930		ug/Kg		88	46 - 112
Benzo[a]pyrene	3340	3060	*	ug/Kg		92	36 - 89
Benzo[b]fluoranthene	3340	3150		ug/Kg		94	33 - 96
Benzo[g,h,i]perylene	3340	3380		ug/Kg		101	43 - 106
Benzo[k]fluoranthene	3340	2930		ug/Kg		88	35 - 115
Chrysene	3340	2990		ug/Kg		90	45 - 114
Dibenz(a,h)anthracene	3340	3550		ug/Kg		107	43 - 107
Fluoranthene	3340	2850		ug/Kg		85	49 - 108
Fluorene	3340	3150		ug/Kg		95	51 - 108
Indeno[1,2,3-cd]pyrene	3340	3600		ug/Kg		108	43 - 109
Naphthalene	3340	2820		ug/Kg		84	53 - 94
Phenanthrene	3340	3110		ug/Kg		93	48 - 108
Pyrene	3340	3390		ug/Kg		101	49 - 116

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*40 - 109*
Nitrobenzene-d5 (Surr)	*81*		*38 - 105*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-255536/2-A
Matrix: Solid
Analysis Batch: 256480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255536

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	*101*		*16 - 151*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 460-84335-A-1-C MS
Matrix: Solid
Analysis Batch: 256753

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 255536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene - DL	210	U	3560	2150	J	ug/Kg	☼	61	46 - 100
Acenaphthylene - DL	230	U	3560	2160	J	ug/Kg	☼	61	51 - 103
Anthracene - DL	840	U	3560	2210	J	ug/Kg	☼	62	50 - 107
Benzo[a]anthracene - DL	740	U	3560	2180		ug/Kg	☼	61	46 - 112
Benzo[a]pyrene - DL	270	U *	3560	2040		ug/Kg	☼	57	36 - 89
Benzo[b]fluoranthene - DL	340	U	3560	1950		ug/Kg	☼	55	33 - 96
Benzo[g,h,i]perylene - DL	510	U	3560	2060	J	ug/Kg	☼	58	43 - 106
Benzo[k]fluoranthene - DL	380	U	3560	2080		ug/Kg	☼	58	35 - 115
Chrysene - DL	240	U	3560	2130	J	ug/Kg	☼	60	45 - 114
Dibenz(a,h)anthracene - DL	460	U	3560	2130		ug/Kg	☼	60	43 - 107
Fluoranthene - DL	260	U	3560	2110	J	ug/Kg	☼	59	49 - 108
Fluorene - DL	190	U	3560	2360	J	ug/Kg	☼	66	51 - 108
Indeno[1,2,3-cd]pyrene - DL	590	U	3560	2490		ug/Kg	☼	70	43 - 109
Naphthalene - DL	220	U	3560	2250	J	ug/Kg	☼	63	53 - 94
Phenanthrene - DL	230	U	3560	2220	J	ug/Kg	☼	62	48 - 108
Pyrene - DL	400	U	3560	2230	J	ug/Kg	☼	63	49 - 116

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl - DL	*60*		*40 - 109*
Nitrobenzene-d5 (Surr) - DL	*38*		*38 - 105*
Terphenyl-d14 (Surr) - DL	*58*		*16 - 151*

Lab Sample ID: 460-84335-A-1-D MSD
Matrix: Solid
Analysis Batch: 256753

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 255536

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene - DL	210	U	3570	2420	J	ug/Kg	☼	68	46 - 100	12	30
Acenaphthylene - DL	230	U	3570	2430	J	ug/Kg	☼	68	51 - 103	12	30
Anthracene - DL	840	U	3570	2510	J	ug/Kg	☼	70	50 - 107	13	30
Benzo[a]anthracene - DL	740	U	3570	2460		ug/Kg	☼	69	46 - 112	12	30
Benzo[a]pyrene - DL	270	U *	3570	2400		ug/Kg	☼	67	36 - 89	16	30
Benzo[b]fluoranthene - DL	340	U	3570	2310		ug/Kg	☼	65	33 - 96	17	30
Benzo[g,h,i]perylene - DL	510	U	3570	2440	J	ug/Kg	☼	68	43 - 106	17	30
Benzo[k]fluoranthene - DL	380	U	3570	2400		ug/Kg	☼	67	35 - 115	14	30
Chrysene - DL	240	U	3570	2440	J	ug/Kg	☼	68	45 - 114	14	30
Dibenz(a,h)anthracene - DL	460	U	3570	2360		ug/Kg	☼	66	43 - 107	10	30
Fluoranthene - DL	260	U	3570	2370	J	ug/Kg	☼	66	49 - 108	11	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 460-84335-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 256753 — **Prep Batch: 255536**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene - DL	190	U	3570	2690	J	ug/Kg	☼	75	51 - 108	13	30
Indeno[1,2,3-cd]pyrene - DL	590	U	3570	2860		ug/Kg	☼	80	43 - 109	14	30
Naphthalene - DL	220	U	3570	2530	J	ug/Kg	☼	71	53 - 94	12	30
Phenanthrene - DL	230	U	3570	2600	J	ug/Kg	☼	73	48 - 108	16	30
Pyrene - DL	400	U	3570	2500	J	ug/Kg	☼	70	49 - 116	11	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl - DL	*64*		*40 - 109*
Nitrobenzene-d5 (Surr) - DL	*53*		*38 - 105*
Terphenyl-d14 (Surr) - DL	*65*		*16 - 151*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-255705/1-A ^2 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 255837 — **Prep Batch: 255705**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.41	U	1.5	0.41	mg/Kg		10/14/14 07:26	10/14/14 16:32	2
Lead	0.41	U	1.0	0.41	mg/Kg		10/14/14 07:26	10/14/14 16:32	2

Lab Sample ID: LCSSRM 460-255705/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 255837 — **Prep Batch: 255705**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	139	128.7		mg/Kg		92.6	78.4 - 121.6
Lead	133	128.7		mg/Kg		96.8	82.0 - 118.8

Lab Sample ID: 460-84334-G-1-H MS ^4 — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 255837 — **Prep Batch: 255705**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.6	J	1.91	1.78	F1	mg/Kg	☼	-41	75 - 125
Lead	18.7		0.477	0.604	4	mg/Kg	☼	-3798	75 - 125

Lab Sample ID: 460-84334-G-1-G DU ^4 — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 255837 — **Prep Batch: 255705**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	2.6	J	2.67	J	mg/Kg	☼	4	20
Lead	18.7		18.45		mg/Kg	☼	1	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 460-257924/1-A ^2
Matrix: Solid
Analysis Batch: 258098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.41	U	1.5	0.41	mg/Kg		10/23/14 15:57	10/24/14 12:27	2
Lead	0.41	U	1.0	0.41	mg/Kg		10/23/14 15:57	10/24/14 12:27	2

Lab Sample ID: LCSSRM 460-257924/2-A
Matrix: Solid
Analysis Batch: 258098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257924

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	139	128.0		mg/Kg		92.1	78.4 - 121.6
Lead	133	134.3		mg/Kg		100.9	82.0 - 118.8

Lab Sample ID: 460-84357-7 MS
Matrix: Solid
Analysis Batch: 258098

Client Sample ID: SS-5A 0"-6"
Prep Type: Total/NA
Prep Batch: 257924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	43.1		171	194.6		mg/Kg	☼	89	75 - 125
Lead	324		42.7	326.4	4	mg/Kg	☼	5	75 - 125

Lab Sample ID: 460-84357-7 DU
Matrix: Solid
Analysis Batch: 258098

Client Sample ID: SS-5A 0"-6"
Prep Type: Total/NA
Prep Batch: 257924

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	43.1		44.11		mg/Kg	☼	2	20
Lead	324		337.2		mg/Kg	☼	4	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-84357-22 DU
Matrix: Solid
Analysis Batch: 255554

Client Sample ID: SS-2B 18"-24"
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.3		5.1		%		4	20
Percent Solids	94.7		94.9		%		0.2	20

Lab Sample ID: 460-84271-A-9 DU
Matrix: Solid
Analysis Batch: 255556

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12.7		13.1		%		3	20
Percent Solids	87.3		86.9		%		0.5	20

GC/MS Semi VOA

Prep Batch: 255536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84335-A-1-C MS - DL	Matrix Spike	Total/NA	Solid	3546	
460-84335-A-1-D MSD - DL	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-84357-1	SS-5 0"-6"	Total/NA	Solid	3546	
460-84357-2	SS-5 18"-24"	Total/NA	Solid	3546	
460-84357-3	SS-3 0"-6"	Total/NA	Solid	3546	
460-84357-4	SS-3 18"-24"	Total/NA	Solid	3546	
LCS 460-255536/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-255536/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 256329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84357-1	SS-5 0"-6"	Total/NA	Solid	8270D	255536
460-84357-2	SS-5 18"-24"	Total/NA	Solid	8270D	255536
460-84357-3	SS-3 0"-6"	Total/NA	Solid	8270D	255536
460-84357-4	SS-3 18"-24"	Total/NA	Solid	8270D	255536
MB 460-255536/1-A	Method Blank	Total/NA	Solid	8270D	255536

Analysis Batch: 256480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-255536/2-A	Lab Control Sample	Total/NA	Solid	8270D	255536

Analysis Batch: 256753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84335-A-1-C MS - DL	Matrix Spike	Total/NA	Solid	8270D	255536
460-84335-A-1-D MSD - DL	Matrix Spike Duplicate	Total/NA	Solid	8270D	255536

Metals

Prep Batch: 255705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84334-G-1-G DU ^4	Duplicate	Total/NA	Solid	3050B	
460-84334-G-1-H MS ^4	Matrix Spike	Total/NA	Solid	3050B	
460-84357-1	SS-5 0"-6"	Total/NA	Solid	3050B	
460-84357-2	SS-5 18"-24"	Total/NA	Solid	3050B	
460-84357-3	SS-3 0"-6"	Total/NA	Solid	3050B	
460-84357-4	SS-3 18"-24"	Total/NA	Solid	3050B	
460-84357-5	SS-2 0"-6"	Total/NA	Solid	3050B	
460-84357-6	SS-2 18"-24"	Total/NA	Solid	3050B	
LCSSRM 460-255705/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-255705/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 255837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84334-G-1-G DU ^4	Duplicate	Total/NA	Solid	6010C	255705
460-84334-G-1-H MS ^4	Matrix Spike	Total/NA	Solid	6010C	255705
460-84357-1	SS-5 0"-6"	Total/NA	Solid	6010C	255705
460-84357-2	SS-5 18"-24"	Total/NA	Solid	6010C	255705
460-84357-3	SS-3 0"-6"	Total/NA	Solid	6010C	255705
460-84357-4	SS-3 18"-24"	Total/NA	Solid	6010C	255705
460-84357-5	SS-2 0"-6"	Total/NA	Solid	6010C	255705

Metals (Continued)

Analysis Batch: 255837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84357-6	SS-2 18"-24"	Total/NA	Solid	6010C	255705
LCSSRM 460-255705/2-A	Lab Control Sample	Total/NA	Solid	6010C	255705
MB 460-255705/1-A ^2	Method Blank	Total/NA	Solid	6010C	255705

Prep Batch: 257924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84357-7	SS-5A 0"-6"	Total/NA	Solid	3050B	
460-84357-7 DU	SS-5A 0"-6"	Total/NA	Solid	3050B	
460-84357-7 MS	SS-5A 0"-6"	Total/NA	Solid	3050B	
460-84357-9	SS-5B 0"-6"	Total/NA	Solid	3050B	
460-84357-11	SS-5C 0"-6"	Total/NA	Solid	3050B	
460-84357-13	SS-3A 0"-6"	Total/NA	Solid	3050B	
460-84357-15	SS-3B 0"-6"	Total/NA	Solid	3050B	
460-84357-17	SS-3C 0"-6"	Total/NA	Solid	3050B	
460-84357-19	SS-2A 0"-6"	Total/NA	Solid	3050B	
460-84357-21	SS-2B 0"-6"	Total/NA	Solid	3050B	
460-84357-23	SS-2C 0"-6"	Total/NA	Solid	3050B	
LCSSRM 460-257924/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-257924/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 258098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84357-7	SS-5A 0"-6"	Total/NA	Solid	6010C	257924
460-84357-7 DU	SS-5A 0"-6"	Total/NA	Solid	6010C	257924
460-84357-7 MS	SS-5A 0"-6"	Total/NA	Solid	6010C	257924
460-84357-9	SS-5B 0"-6"	Total/NA	Solid	6010C	257924
460-84357-11	SS-5C 0"-6"	Total/NA	Solid	6010C	257924
460-84357-13	SS-3A 0"-6"	Total/NA	Solid	6010C	257924
460-84357-15	SS-3B 0"-6"	Total/NA	Solid	6010C	257924
460-84357-17	SS-3C 0"-6"	Total/NA	Solid	6010C	257924
460-84357-19	SS-2A 0"-6"	Total/NA	Solid	6010C	257924
460-84357-21	SS-2B 0"-6"	Total/NA	Solid	6010C	257924
460-84357-23	SS-2C 0"-6"	Total/NA	Solid	6010C	257924
LCSSRM 460-257924/2-A	Lab Control Sample	Total/NA	Solid	6010C	257924
MB 460-257924/1-A ^2	Method Blank	Total/NA	Solid	6010C	257924

General Chemistry

Analysis Batch: 255554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84357-1	SS-5 0"-6"	Total/NA	Solid	Moisture	
460-84357-2	SS-5 18"-24"	Total/NA	Solid	Moisture	
460-84357-3	SS-3 0"-6"	Total/NA	Solid	Moisture	
460-84357-4	SS-3 18"-24"	Total/NA	Solid	Moisture	
460-84357-10	SS-5B 18"-24"	Total/NA	Solid	Moisture	
460-84357-11	SS-5C 0"-6"	Total/NA	Solid	Moisture	
460-84357-12	SS-5C 18"-24"	Total/NA	Solid	Moisture	
460-84357-13	SS-3A 0"-6"	Total/NA	Solid	Moisture	
460-84357-14	SS-3A 18"-24"	Total/NA	Solid	Moisture	
460-84357-15	SS-3B 0"-6"	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 255554 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84357-16	SS-3B 18"-24"	Total/NA	Solid	Moisture	
460-84357-17	SS-3C 0"-6"	Total/NA	Solid	Moisture	
460-84357-18	SS-3C 18"-24"	Total/NA	Solid	Moisture	
460-84357-19	SS-2A 0"-6"	Total/NA	Solid	Moisture	
460-84357-21	SS-2B 0"-6"	Total/NA	Solid	Moisture	
460-84357-22	SS-2B 18"-24"	Total/NA	Solid	Moisture	
460-84357-22 DU	SS-2B 18"-24"	Total/NA	Solid	Moisture	
460-84357-23	SS-2C 0"-6"	Total/NA	Solid	Moisture	
460-84357-24	SS-2C 18"-24"	Total/NA	Solid	Moisture	

Analysis Batch: 255556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-84271-A-9 DU	Duplicate	Total/NA	Solid	Moisture	
460-84357-5	SS-2 0"-6"	Total/NA	Solid	Moisture	
460-84357-6	SS-2 18"-24"	Total/NA	Solid	Moisture	
460-84357-7	SS-5A 0"-6"	Total/NA	Solid	Moisture	
460-84357-8	SS-5A 18"-24"	Total/NA	Solid	Moisture	
460-84357-9	SS-5B 0"-6"	Total/NA	Solid	Moisture	
460-84357-20	SS-2A 18"-24"	Total/NA	Solid	Moisture	

Client Sample ID: SS-5 0"-6"

Lab Sample ID: 460-84357-1

Date Collected: 10/09/14 08:45

Matrix: Solid

Date Received: 10/10/14 13:00

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			255536	10/13/14 12:41	KVR	TAL EDI
Total/NA	Analysis	8270D		1	256329	10/16/14 22:15	LEG	TAL EDI
Total/NA	Prep	3050B			255705	10/14/14 07:26	MDC	TAL EDI
Total/NA	Analysis	6010C		4	255837	10/14/14 17:32	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-5 18"-24"

Lab Sample ID: 460-84357-2

Date Collected: 10/09/14 08:45

Matrix: Solid

Date Received: 10/10/14 13:00

Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			255536	10/13/14 12:41	KVR	TAL EDI
Total/NA	Analysis	8270D		1	256329	10/16/14 18:32	LEG	TAL EDI
Total/NA	Prep	3050B			255705	10/14/14 07:26	MDC	TAL EDI
Total/NA	Analysis	6010C		4	255837	10/14/14 17:35	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-3 0"-6"

Lab Sample ID: 460-84357-3

Date Collected: 10/09/14 09:45

Matrix: Solid

Date Received: 10/10/14 13:00

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			255536	10/13/14 12:41	KVR	TAL EDI
Total/NA	Analysis	8270D		1	256329	10/16/14 21:50	LEG	TAL EDI
Total/NA	Prep	3050B			255705	10/14/14 07:26	MDC	TAL EDI
Total/NA	Analysis	6010C		4	255837	10/14/14 17:39	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-3 18"-24"

Lab Sample ID: 460-84357-4

Date Collected: 10/09/14 09:45

Matrix: Solid

Date Received: 10/10/14 13:00

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			255536	10/13/14 12:41	KVR	TAL EDI
Total/NA	Analysis	8270D		1	256329	10/16/14 18:08	LEG	TAL EDI
Total/NA	Prep	3050B			255705	10/14/14 07:26	MDC	TAL EDI
Total/NA	Analysis	6010C		4	255837	10/14/14 17:53	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Lab Chronicle

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Client Sample ID: SS-2 0"-6"

Lab Sample ID: 460-84357-5

Date Collected: 10/09/14 10:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			255705	10/14/14 07:26	MDC	TAL EDI
Total/NA	Analysis	6010C		4	255837	10/14/14 17:57	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255556	10/13/14 14:50	CJA	TAL EDI

Client Sample ID: SS-2 18"-24"

Lab Sample ID: 460-84357-6

Date Collected: 10/09/14 10:45
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			255705	10/14/14 07:26	MDC	TAL EDI
Total/NA	Analysis	6010C		4	255837	10/14/14 18:01	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255556	10/13/14 14:50	CJA	TAL EDI

Client Sample ID: SS-5A 0"-6"

Lab Sample ID: 460-84357-7

Date Collected: 10/09/14 08:55
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 12:38	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255556	10/13/14 14:50	CJA	TAL EDI

Client Sample ID: SS-5A 18"-24"

Lab Sample ID: 460-84357-8

Date Collected: 10/09/14 08:55
Matrix: Solid
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255556	10/13/14 14:50	CJA	TAL EDI

Client Sample ID: SS-5B 0"-6"

Lab Sample ID: 460-84357-9

Date Collected: 10/09/14 09:05
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 12:52	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255556	10/13/14 14:50	CJA	TAL EDI

Client Sample ID: SS-5B 18"-24" — **Lab Sample ID: 460-84357-10**
Date Collected: 10/09/14 09:05 — **Matrix: Solid**
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-5C 0"-6" — **Lab Sample ID: 460-84357-11**
Date Collected: 10/09/14 09:20 — **Matrix: Solid**
Date Received: 10/10/14 13:00 — **Percent Solids: 93.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 12:55	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-5C 18"-24" — **Lab Sample ID: 460-84357-12**
Date Collected: 10/09/14 09:20 — **Matrix: Solid**
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-3A 0"-6" — **Lab Sample ID: 460-84357-13**
Date Collected: 10/09/14 10:00 — **Matrix: Solid**
Date Received: 10/10/14 13:00 — **Percent Solids: 92.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 13:11	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-3A 18"-24" — **Lab Sample ID: 460-84357-14**
Date Collected: 10/09/14 10:00 — **Matrix: Solid**
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-3B 0"-6" — **Lab Sample ID: 460-84357-15**
Date Collected: 10/09/14 10:15 — **Matrix: Solid**
Date Received: 10/10/14 13:00 — **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 13:15	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-3B 18"-24" — **Lab Sample ID: 460-84357-16**
Date Collected: 10/09/14 10:15 — **Matrix: Solid**
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-3C 0"-6" — **Lab Sample ID: 460-84357-17**
Date Collected: 10/09/14 10:30 — **Matrix: Solid**
Date Received: 10/10/14 13:00 — **Percent Solids: 93.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 13:18	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-3C 18"-24" — **Lab Sample ID: 460-84357-18**
Date Collected: 10/09/14 10:30 — **Matrix: Solid**
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-2A 0"-6" — **Lab Sample ID: 460-84357-19**
Date Collected: 10/09/14 10:55 — **Matrix: Solid**
Date Received: 10/10/14 13:00 — **Percent Solids: 94.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 13:22	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-2A 18"-24" — **Lab Sample ID: 460-84357-20**
Date Collected: 10/09/14 10:55 — **Matrix: Solid**
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255556	10/13/14 14:50	CJA	TAL EDI

Client Sample ID: SS-2B 0"-6" — **Lab Sample ID: 460-84357-21**
Date Collected: 10/09/14 11:15 — **Matrix: Solid**
Date Received: 10/10/14 13:00 — **Percent Solids: 94.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 13:25	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Lab Chronicle

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Client Sample ID: SS-2B 18"-24"

Lab Sample ID: 460-84357-22

Date Collected: 10/09/14 11:15
Matrix: Solid
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-2C 0"-6"

Lab Sample ID: 460-84357-23

Date Collected: 10/09/14 11:30
Matrix: Solid
Date Received: 10/10/14 13:00
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			257924	10/23/14 15:57	EAE	TAL EDI
Total/NA	Analysis	6010C		4	258098	10/24/14 13:29	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Client Sample ID: SS-2C 18"-24"

Lab Sample ID: 460-84357-24

Date Collected: 10/09/14 11:30
Matrix: Solid
Date Received: 10/10/14 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	255554	10/13/14 14:19	CJA	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New Jersey	NELAP	2	12028	06-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
6010C	Metals (ICP)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-84357-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-84357-1	SS-5 0"-6"	Solid	10/09/14 08:45	10/10/14 13:00
460-84357-2	SS-5 18"-24"	Solid	10/09/14 08:45	10/10/14 13:00
460-84357-3	SS-3 0"-6"	Solid	10/09/14 09:45	10/10/14 13:00
460-84357-4	SS-3 18"-24"	Solid	10/09/14 09:45	10/10/14 13:00
460-84357-5	SS-2 0"-6"	Solid	10/09/14 10:45	10/10/14 13:00
460-84357-6	SS-2 18"-24"	Solid	10/09/14 10:45	10/10/14 13:00
460-84357-7	SS-5A 0"-6"	Solid	10/09/14 08:55	10/10/14 13:00
460-84357-8	SS-5A 18"-24"	Solid	10/09/14 08:55	10/10/14 13:00
460-84357-9	SS-5B 0"-6"	Solid	10/09/14 09:05	10/10/14 13:00
460-84357-10	SS-5B 18"-24"	Solid	10/09/14 09:05	10/10/14 13:00
460-84357-11	SS-5C 0"-6"	Solid	10/09/14 09:20	10/10/14 13:00
460-84357-12	SS-5C 18"-24"	Solid	10/09/14 09:20	10/10/14 13:00
460-84357-13	SS-3A 0"-6"	Solid	10/09/14 10:00	10/10/14 13:00
460-84357-14	SS-3A 18"-24"	Solid	10/09/14 10:00	10/10/14 13:00
460-84357-15	SS-3B 0"-6"	Solid	10/09/14 10:15	10/10/14 13:00
460-84357-16	SS-3B 18"-24"	Solid	10/09/14 10:15	10/10/14 13:00
460-84357-17	SS-3C 0"-6"	Solid	10/09/14 10:30	10/10/14 13:00
460-84357-18	SS-3C 18"-24"	Solid	10/09/14 10:30	10/10/14 13:00
460-84357-19	SS-2A 0"-6"	Solid	10/09/14 10:55	10/10/14 13:00
460-84357-20	SS-2A 18"-24"	Solid	10/09/14 10:55	10/10/14 13:00
460-84357-21	SS-2B 0"-6"	Solid	10/09/14 11:15	10/10/14 13:00
460-84357-22	SS-2B 18"-24"	Solid	10/09/14 11:15	10/10/14 13:00
460-84357-23	SS-2C 0"-6"	Solid	10/09/14 11:30	10/10/14 13:00
460-84357-24	SS-2C 18"-24"	Solid	10/09/14 11:30	10/10/14 13:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
son, New Jersey 08817
one: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY

460-84357 Chain of Custody

Page 1 of 3

Name (for report and invoice) Mike Vallo	Samplers Name (Printed) C. Brown	Site/Project Identification: Trenton Central H.S
Company CTL	P. O. #	State (Location of site): NJ: X NY: Other:
		Regulatory Program:
Address 200 Horizon Center	Analysis Turnaround Time: Standard ☐	
City Trenton State NJ	Rush Charges Authorized For: 2 Week ☐	
Phone 609-587-8500 Fax	1 Week ☒ 5 Business Days	
	Other ☐ ____ Days	

Sample Identification	Date	Time	Matrix	No. of Cont.	As, Pb	PAH									LAB USE ONLY Project No: / Job No: 84357 / Sample Numbers
SS-5 0"-6"	10/9/14	0845	S	2	X	X									1
SS-5 18-24"	10/9/14	0845	S	2	X	X									2
SS-3 0"-6"	10/9/14	0945	S	2	X	X									3
SS-3 18-24"	10/9/14	0945	S	2	X	X									4
SS-2 0"-6"	10/9/14	1045	S	1	X										5
SS-2 18-24"	10/9/14	1045	S	1	X										6

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil: 1 | 1
6 = Other _____, 7 = Other _____ — Water:

Special Instructions: * See special instructions for composite A, B, C Samples

Water Metals Filtered (Yes/No)? _____

Relinquished by 1)	Company CTL	Date / Time 10/10/14 1500	Received by 1) K. Chaloka
Relinquished by 2) K. Chaloka	Company TA	Date / Time 10/10/14 1000	Received by 2) Susan Tyg
Relinquished by 3)	Company	Date / Time	Received by 3)
Relinquished by 4)	Company 5-Day RUSH	Date / Time	Received by 4)

Company	Company	Company
TA	TA Edison	10/10/14 1300

#5
1.9°C
3.9°C

Laboratory Certifications: New Jersey (1202, 11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) NOCS

10/31/2014

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Phone: (732) 549-3900 Fax: (732) 549-3679

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CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Mike Vollo	Samplers Name (Printed): C. Brown	Site/Project Identification: Trenton Central H.S.
Company: CB&I	P. O. #:	State (Location of site): NJ: X NY: Other:
		Regulatory Program:
Address: 200 Horizon Center	Analysis Turnaround Time: Standard ☐	
City: Trenton State: NJ	Rush Charges Authorized For: 2 Week ☐	
Phone: 609-584-8400 Fax:	1 Week ☒ 5 Business Days	
	Other ☐ ____	

Sample Identification	Date	Time	Matrix	No. of Cont.	As Pb	PAH								LAB USE ONLY Sample Numbers
SS-5A 0"-6"	10/9/14	0855	S	2	X	X								7
SS-5A 18"-24"	10/9/14	0855	S	2	X	X								8
SS-5B 0"-6"	10/9/14	0905	S	2	X	X								9
SS-5B 18"-24"	10/9/14	0905	S	2	X	X								10
SS-5C 0"-6"	10/9/14	0920	S	2	X	X								11
SS-5C 18-24"	10/9/14	0920	S	2	X	X								12
SS-3A 0"-6"	10/9/14	1000	S	2	X	X								13
SS-3A 18"-24"	10/9/14	1000	S	2	X	X								14
SS-3B 0"-6"	10/9/14	~~1045~~ 1035	S	2	X	X								15
SS-3B 18-24"	10/9/14	1045	S	2	X	X								16
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:					1	1								
6 = Other ____, 7 = Other ____ — Water:														

Job No: 84357

Special Instructions: * Only Run the Corresponding A, B, C Sample if Original Sample Above RDLs Cont. Water Metals Filtered (Yes/No)? ____

Relinquished by	Company	Date / Time	Received by	Company
1)	CB&I	10/10/14 1550	1)	TA
Relinquished by 2)	Company TA	Date / Time 10/10/14 1602	Received by 2)	Company TA Edison
Relinquished by 3)	Company	Date / Time	Received by 3)	Company 10/10/14
Relinquished by 4)	Company	Date / Time	Received by 4)	Company 1300

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Mike Vallo	Samplers Name (Printed) C. Brown	Site/Project Identification Trenton Central H.S.
Company CBTL	P. O. #	State (Location of site): NJ: X NY: Other:
		Regulatory Program:
Address 200 Horizon Center	Analysis Turnaround Time: Standard ☐	
City Trenton State NJ	Rush Chrages Authorized For: 2 Week ☐	
Phone 609-587-8500 Fax	1 Week X 5 Business Days	
	Other ☐ ____ Days	

Sample Identification	Date	Time	Matrix	No. of Cont.	As, Pb	PAH									LAB USE ONLY Project No: / Job No: 84357 / Sample Numbers
SS-3C 0"-6"	10/9/14	1030	S	2	X	X									17
SS-3C 18"-24"	10/9/14	1030	S	2	X	X									18
SS-2A 0"-6"	10/9/14	1055	S	1	X										19
SS-2A 18"-24"	10/9/14	1055	S	1	X										20
SS-2B 0"-6"	10/9/14	1115	S	1	X										21
SS-2B 18"-24"	10/9/14	1115	S	1	X										22
SS-2C 0"-6"	10/9/14	1130	S	1	X										23
SS-2C 18"-24"	10/9/14	1130	S	1	X										24

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____ Soil: Water:

Special Instructions * Only Rev compounds A, B, C sample if original sample above RDLs conc. Water Metals Filtered (Yes/No)? _____

Relinquished by 1)	Company CBTL	Date / Time 10/10/14 1500	Received by 1) K Chalcoska	Company TA	
Relinquished by 2) K. Chalcoska	Company TA	Date / Time 10/10/14 1700	Received by 2) Susan Lyon	Company TA Edison	
Relinquished by 3)	Company	Date / Time	Received by 3)	Company	10/10/14
Relinquished by 4)	Company	Date / Time	Received by 4)	Company	1300

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 84357

Number of Coolers: 1 IR Gun #: 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.9 °C	3.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: KC Date: 10/10/14

* Special Note

Only Run corresponding A, B, C samples if original sample has concentrations above Residential Direct Contact Standards (RDCS)

Login Sample Receipt Checklist

Client: Shaw Environmental &Infrastructure CB&I

Job Number: 460-84357-1

Login Number: 84357

List Source: TestAmerica Edison

List Number: 1

Creator: Hall, Alonzo

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9° C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-86222-1
Client Project/Site: NJSDA - Trenton Central High School

For:
Shaw Environmental &Infrastructure CB&I
200 Horizon Center Blvd.
Trenton, New Jersey 08691-1904

Attn: Mr. Mike Vollo

Authorized for release by:
11/21/2014 1:19:25 PM
Sarah Brown, Project Management Assistant II
(732)549-3900
sarah.brown@testamericainc.com

Designee for

Kristyn Tempe, Project Manager II
(732)549-3900
kristyn.tempe@testamericainc.com

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Qualifiers

Metals

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job ID: 460-86222-1

Laboratory: TestAmerica Edison

Narrative

CASE NARRATIVE

Client: Shaw Environmental &Infrastructure CB&I

Project: NJSDA - Trenton Central High School

Report Number: 460-86222-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/13/2014 12:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

Except:

The sample collection time listed on the container for sample 460-86222-8 is 11:45, not 11:40 as recorded on the COC.

The sample collection time listed on the container for sample 460-86222-9 is 11:40, not 11:45 as recorded on the COC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

METALS

Samples TCHS-1112-SS5 (12") (460-86222-1), TCHS-1112-SS5E (0-6") (460-86222-2), TCHS-1112-SS5E (12") (460-86222-3), TCHS-1112-S3 (12") (460-86222-4), TCHS-1112-S2 (12") (460-86222-5), TCHS-1112-S2H (0-6") (460-86222-6), TCHS-1112-S2H (12") (460-86222-7), TCHS-1112-S2E (0-6") (460-86222-8) and TCHS-1112-S2E (12") (460-86222-9) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared and analyzed on 11/20/2014.

Lead exceeded the RPD limit for the duplicate of sample 460-86222-1.

Refer to the QC report for details.

Samples TCHS-1112-SS5 (12") (460-86222-1)[4X], TCHS-1112-SS5E (0-6") (460-86222-2)[4X], TCHS-1112-SS5E (12") (460-86222-3)[4X], TCHS-1112-S3 (12") (460-86222-4)[4X], TCHS-1112-S2 (12") (460-86222-5)[4X], TCHS-1112-S2H (0-6") (460-86222-6)[4X], TCHS-1112-S2H (12") (460-86222-7)[4X], TCHS-1112-S2E (0-6") (460-86222-8)[4X] and TCHS-1112-S2E (12") (460-86222-9)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

Job ID: 460-86222-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples TCHS-1112-SS5 (12") (460-86222-1), TCHS-1112-SS5E (0-6") (460-86222-2), TCHS-1112-SS5E (12") (460-86222-3), TCHS-1112-S3 (12") (460-86222-4), TCHS-1112-S2 (12") (460-86222-5), TCHS-1112-S2H (0-6") (460-86222-6), TCHS-1112-S2H (12") (460-86222-7), TCHS-1112-S2E (0-6") (460-86222-8) and TCHS-1112-S2E (12") (460-86222-9) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 11/17/2014.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-86222-1

Client Sample ID: TCHS-1112-SS5 (12") — Lab Sample ID: 460-86222-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.7		3.3	0.89	mg/Kg	4	☼	6010C	Total/NA
Lead	32.1		2.2	0.89	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-1112-SS5E (0-6") — Lab Sample ID: 460-86222-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	24.5		3.4	0.94	mg/Kg	4	☼	6010C	Total/NA
Lead	429		2.3	0.94	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-1112-SS5E (12") — Lab Sample ID: 460-86222-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.7		3.3	0.91	mg/Kg	4	☼	6010C	Total/NA
Lead	59.8		2.2	0.92	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-1112-S3 (12") — Lab Sample ID: 460-86222-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.7		3.2	0.87	mg/Kg	4	☼	6010C	Total/NA
Lead	17.6		2.1	0.88	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-1112-S2 (12") — Lab Sample ID: 460-86222-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.4		3.1	0.86	mg/Kg	4	☼	6010C	Total/NA
Lead	32.9		2.1	0.86	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-1112-S2H (0-6") — Lab Sample ID: 460-86222-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.8		3.4	0.94	mg/Kg	4	☼	6010C	Total/NA
Lead	107		2.3	0.94	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-1112-S2H (12") — Lab Sample ID: 460-86222-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.5		3.2	0.87	mg/Kg	4	☼	6010C	Total/NA
Lead	82.5		2.1	0.88	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-1112-S2E (0-6") — Lab Sample ID: 460-86222-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.9		3.0	0.83	mg/Kg	4	☼	6010C	Total/NA
Lead	93.6		2.0	0.83	mg/Kg	4	☼	6010C	Total/NA

Client Sample ID: TCHS-1112-S2E (12") — Lab Sample ID: 460-86222-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.5		3.2	0.87	mg/Kg	4	☼	6010C	Total/NA
Lead	113		2.1	0.87	mg/Kg	4	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TCHS-1112-SS5 (12")

Lab Sample ID: 460-86222-1
Date Collected: 11/12/14 09:15
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 90.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		3.3	0.89	mg/Kg	☼	11/20/14 07:14	11/20/14 13:10	4
Lead	32.1		2.2	0.89	mg/Kg	☼	11/20/14 07:14	11/20/14 13:10	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.9		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	90.1		1.0	1.0	%			11/17/14 15:47	1

Client Sample ID: TCHS-1112-SS5E (0-6")

Lab Sample ID: 460-86222-2
Date Collected: 11/12/14 09:50
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 83.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24.5		3.4	0.94	mg/Kg	☼	11/20/14 07:14	11/20/14 13:25	4
Lead	429		2.3	0.94	mg/Kg	☼	11/20/14 07:14	11/20/14 13:25	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.9		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	83.1		1.0	1.0	%			11/17/14 15:47	1

Client Sample ID: TCHS-1112-SS5E (12")

Lab Sample ID: 460-86222-3
Date Collected: 11/12/14 09:55
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 88.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.7		3.3	0.91	mg/Kg	☼	11/20/14 07:14	11/20/14 13:28	4
Lead	59.8		2.2	0.92	mg/Kg	☼	11/20/14 07:14	11/20/14 13:28	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.3		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	88.7		1.0	1.0	%			11/17/14 15:47	1

Client Sample ID: TCHS-1112-S3 (12")

Lab Sample ID: 460-86222-4
Date Collected: 11/12/14 10:25
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 89.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.7		3.2	0.87	mg/Kg	☼	11/20/14 07:14	11/20/14 15:03	4
Lead	17.6		2.1	0.88	mg/Kg	☼	11/20/14 07:14	11/20/14 15:03	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.7		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	89.3		1.0	1.0	%			11/17/14 15:47	1

Client Sample ID: TCHS-1112-S2 (12")

Lab Sample ID: 460-86222-5
Date Collected: 11/12/14 10:40
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 92.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.4		3.1	0.86	mg/Kg	☼	11/20/14 07:14	11/20/14 13:54	4
Lead	32.9		2.1	0.86	mg/Kg	☼	11/20/14 07:14	11/20/14 13:54	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.9		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	92.1		1.0	1.0	%			11/17/14 15:47	1

Client Sample ID: TCHS-1112-S2H (0-6")

Lab Sample ID: 460-86222-6
Date Collected: 11/12/14 11:20
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 85.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.8		3.4	0.94	mg/Kg	☼	11/20/14 07:14	11/20/14 13:58	4
Lead	107		2.3	0.94	mg/Kg	☼	11/20/14 07:14	11/20/14 13:58	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.6		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	85.4		1.0	1.0	%			11/17/14 15:47	1

Client Sample ID: TCHS-1112-S2H (12")

Lab Sample ID: 460-86222-7
Date Collected: 11/12/14 11:25
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 89.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		3.2	0.87	mg/Kg	☼	11/20/14 07:14	11/20/14 14:01	4
Lead	82.5		2.1	0.88	mg/Kg	☼	11/20/14 07:14	11/20/14 14:01	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.7		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	89.3		1.0	1.0	%			11/17/14 15:47	1

Client Sample ID: TCHS-1112-S2E (0-6")

Lab Sample ID: 460-86222-8
Date Collected: 11/12/14 11:40
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 87.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.9		3.0	0.83	mg/Kg	☼	11/20/14 07:14	11/20/14 14:05	4
Lead	93.6		2.0	0.83	mg/Kg	☼	11/20/14 07:14	11/20/14 14:05	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.1		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	87.9		1.0	1.0	%			11/17/14 15:47	1

Client Sample Results

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-86222-1

Client Sample ID: TCHS-1112-S2E (12")
Date Collected: 11/12/14 11:45
Date Received: 11/13/14 12:15

Lab Sample ID: 460-86222-9
Matrix: Solid
Percent Solids: 88.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.5		3.2	0.87	mg/Kg	☼	11/20/14 07:14	11/20/14 14:09	4
Lead	113		2.1	0.87	mg/Kg	☼	11/20/14 07:14	11/20/14 14:09	4

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.0		1.0	1.0	%			11/17/14 15:47	1
Percent Solids	88.0		1.0	1.0	%			11/17/14 15:47	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-264051/1-A ^2
Matrix: Solid
Analysis Batch: 264215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 264051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.41	U	1.5	0.41	mg/Kg		11/20/14 07:14	11/20/14 13:43	2
Lead	0.41	U	1.0	0.41	mg/Kg		11/20/14 07:14	11/20/14 13:43	2

Lab Sample ID: LCSSRM 460-264051/2-A ^4
Matrix: Solid
Analysis Batch: 264215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 264051

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	139	128.7		mg/Kg		92.6	78.4 - 121.6
Lead	133	135.1		mg/Kg		101.6	82.0 - 118.8

Lab Sample ID: 460-86222-1 MS
Matrix: Solid
Analysis Batch: 264215

Client Sample ID: TCHS-1112-SS5 (12")
Prep Type: Total/NA
Prep Batch: 264051

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	7.7		202	186.5		mg/Kg	☼	89	75 - 125
Lead	32.1		50.5	70.68		mg/Kg	☼	76	75 - 125

Lab Sample ID: 460-86222-1 DU
Matrix: Solid
Analysis Batch: 264215

Client Sample ID: TCHS-1112-SS5 (12")
Prep Type: Total/NA
Prep Batch: 264051

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	7.7		6.59		mg/Kg	☼	16	20
Lead	32.1		20.06	F3	mg/Kg	☼	46	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-86237-A-2 DU
Matrix: Solid
Analysis Batch: 263317

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	1.0	U	1.1		%		NC	20
Percent Solids	99.3		98.9		%		0.4	20

Metals

Prep Batch: 264051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-86222-1	TCHS-1112-SS5 (12")	Total/NA	Solid	3050B	
460-86222-1 DU	TCHS-1112-SS5 (12")	Total/NA	Solid	3050B	
460-86222-1 MS	TCHS-1112-SS5 (12")	Total/NA	Solid	3050B	
460-86222-2	TCHS-1112-SS5E (0-6")	Total/NA	Solid	3050B	
460-86222-3	TCHS-1112-SS5E (12")	Total/NA	Solid	3050B	
460-86222-4	TCHS-1112-S3 (12")	Total/NA	Solid	3050B	
460-86222-5	TCHS-1112-S2 (12")	Total/NA	Solid	3050B	
460-86222-6	TCHS-1112-S2H (0-6")	Total/NA	Solid	3050B	
460-86222-7	TCHS-1112-S2H (12")	Total/NA	Solid	3050B	
460-86222-8	TCHS-1112-S2E (0-6")	Total/NA	Solid	3050B	
460-86222-9	TCHS-1112-S2E (12")	Total/NA	Solid	3050B	
LCSSRM 460-264051/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-264051/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 264215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-86222-1	TCHS-1112-SS5 (12")	Total/NA	Solid	6010C	264051
460-86222-1 DU	TCHS-1112-SS5 (12")	Total/NA	Solid	6010C	264051
460-86222-1 MS	TCHS-1112-SS5 (12")	Total/NA	Solid	6010C	264051
460-86222-2	TCHS-1112-SS5E (0-6")	Total/NA	Solid	6010C	264051
460-86222-3	TCHS-1112-SS5E (12")	Total/NA	Solid	6010C	264051
460-86222-4	TCHS-1112-S3 (12")	Total/NA	Solid	6010C	264051
460-86222-5	TCHS-1112-S2 (12")	Total/NA	Solid	6010C	264051
460-86222-6	TCHS-1112-S2H (0-6")	Total/NA	Solid	6010C	264051
460-86222-7	TCHS-1112-S2H (12")	Total/NA	Solid	6010C	264051
460-86222-8	TCHS-1112-S2E (0-6")	Total/NA	Solid	6010C	264051
460-86222-9	TCHS-1112-S2E (12")	Total/NA	Solid	6010C	264051
LCSSRM 460-264051/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	264051
MB 460-264051/1-A ^2	Method Blank	Total/NA	Solid	6010C	264051

General Chemistry

Analysis Batch: 263317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-86222-1	TCHS-1112-SS5 (12")	Total/NA	Solid	Moisture	
460-86222-2	TCHS-1112-SS5E (0-6")	Total/NA	Solid	Moisture	
460-86222-3	TCHS-1112-SS5E (12")	Total/NA	Solid	Moisture	
460-86222-4	TCHS-1112-S3 (12")	Total/NA	Solid	Moisture	
460-86222-5	TCHS-1112-S2 (12")	Total/NA	Solid	Moisture	
460-86222-6	TCHS-1112-S2H (0-6")	Total/NA	Solid	Moisture	
460-86222-7	TCHS-1112-S2H (12")	Total/NA	Solid	Moisture	
460-86222-8	TCHS-1112-S2E (0-6")	Total/NA	Solid	Moisture	
460-86222-9	TCHS-1112-S2E (12")	Total/NA	Solid	Moisture	
460-86237-A-2 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-86222-1

Client Sample ID: TCHS-1112-SS5 (12")

Lab Sample ID: 460-86222-1
Date Collected: 11/12/14 09:15
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 13:10	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Client Sample ID: TCHS-1112-SS5E (0-6")

Lab Sample ID: 460-86222-2
Date Collected: 11/12/14 09:50
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 13:25	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Client Sample ID: TCHS-1112-SS5E (12")

Lab Sample ID: 460-86222-3
Date Collected: 11/12/14 09:55
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 13:28	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Client Sample ID: TCHS-1112-S3 (12")

Lab Sample ID: 460-86222-4
Date Collected: 11/12/14 10:25
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 15:03	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Client Sample ID: TCHS-1112-S2 (12")

Lab Sample ID: 460-86222-5
Date Collected: 11/12/14 10:40
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 13:54	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Lab Chronicle

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-86222-1

Client Sample ID: TCHS-1112-S2H (0-6")

Lab Sample ID: 460-86222-6

Date Collected: 11/12/14 11:20
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 13:58	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Client Sample ID: TCHS-1112-S2H (12")

Lab Sample ID: 460-86222-7

Date Collected: 11/12/14 11:25
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 14:01	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Client Sample ID: TCHS-1112-S2E (0-6")

Lab Sample ID: 460-86222-8

Date Collected: 11/12/14 11:40
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 14:05	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Client Sample ID: TCHS-1112-S2E (12")

Lab Sample ID: 460-86222-9

Date Collected: 11/12/14 11:45
Matrix: Solid
Date Received: 11/13/14 12:15
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			264051	11/20/14 07:14	MDC	TAL EDI
Total/NA	Analysis	6010C		4	264215	11/20/14 14:09	CDC	TAL EDI
Total/NA	Analysis	Moisture		1	263317	11/17/14 15:47	CJA	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-86222-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New Jersey	NELAP	2	12028	06-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-86222-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Shaw Environmental &Infrastructure CB&I
Project/Site: NJSDA - Trenton Central High School

TestAmerica Job ID: 460-86222-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-86222-1	TCHS-1112-SS5 (12")	Solid	11/12/14 09:15	11/13/14 12:15
460-86222-2	TCHS-1112-SS5E (0-6")	Solid	11/12/14 09:50	11/13/14 12:15
460-86222-3	TCHS-1112-SS5E (12")	Solid	11/12/14 09:55	11/13/14 12:15
460-86222-4	TCHS-1112-S3 (12")	Solid	11/12/14 10:25	11/13/14 12:15
460-86222-5	TCHS-1112-S2 (12")	Solid	11/12/14 10:40	11/13/14 12:15
460-86222-6	TCHS-1112-S2H (0-6")	Solid	11/12/14 11:20	11/13/14 12:15
460-86222-7	TCHS-1112-S2H (12")	Solid	11/12/14 11:25	11/13/14 12:15
460-86222-8	TCHS-1112-S2E (0-6")	Solid	11/12/14 11:40	11/13/14 12:15
460-86222-9	TCHS-1112-S2E (12")	Solid	11/12/14 11:45	11/13/14 12:15

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

11/21/2014

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Mike Vollo	Samplers Name (Printed) C. Brown / K. Evans	Site/Project Identification Trenton Central H.S.
Company CB & E	P. O. #	State (Location of site): NJ: X NY: Other:
		Regulatory Program:
Address 200 Horizon Ctr.	Analysis Turnaround Time: Standard ☐	
City Trenton State NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☒ Other ☐	
Phone (609)584-8900 Fax		

Sample Identification	Date	Time	Matrix	No. of Cont.	As 101	Sample Numbers
~~SS-5~~ TCHS-1112-SS5 (12")	11/12/14	0915	S	1	X	-1
TCHS-1112-SS5E (0-6")	11-12-14	0950	S	1	X	-2
TCHS-1112-SS5E (12")	11-12-14	0955	S	1	X	-3
TCHS-1112-SS3 (12")	11-12-14	10:25	S	1	X	-4
TCHS-1112-SS2 (12")	11-12-14	10:40	S	1	X	-5
TCHS-1112-SS2W (0-6")	11-12-14	11:20	S	1	X	-6
TCHS-1112-SS2W (12")	11-12-14	11:25	S	1	X	-7
TCHS-1112-SS2E (0-6")	11-12-14	11:40	S	1	X	-8
TCHS-1112-SS2E (12")	11-12-14	11:45	S	1	X	-9

460-86222 Chain of Custody

LAB USE ONLY
Project No:
Job No: 86222

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____
Soil: 1
Water:

Special Instructions ICE 11/13/14 8.5 Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	CB & E	~~11/13~~ 1605	1)	TA
Relinquished by 2) CHAIDEA	Company TA	Date / Time 11/13/14 1215	Received by 2)	Company TA 11/13/14 1215
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Com	Date / Time	Received by 4)	Company

5-Day RUSH

#5
1.4°C
3.4°C

Laboratory Certifications: New Jersey (12C ...rk (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

NO CS

TAL - 0016 (0814)

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 86222

Number of Coolers: 1 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.4 °C	3.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: ICC Date: 11/13/14

Login Sample Receipt Checklist

Client: Shaw Environmental &Infrastructure CB&I

Job Number: 460-86222-1

Login Number: 86222

List Source: TestAmerica Edison

List Number: 1

Creator: Lysy, Susan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4°C IR#5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	See NCM
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.