State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Sturtevant Service Center
9531 Rayne Rd
Suite IV
Sturtevant WI 53177

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 262-884-2342
FAX 262-884-2307
TTY Access via relay - 711

August 25, 2015

Mr. Bill Scott
Gonzalez Saggio & Harlan LLP
111 E. Wisconsin Ave., Suite 1000
Milwaukee, WI 53202

SUBJECT: Contained Out Determination for the Former Express Cleaners located at 3941 N. Main Street, Racine, Wisconsin BRRTS#: 02-52-547631

Dear Mr. Scott,

This letter is in response to your August 12, 2015, email requesting a contained out determination for contaminated concrete from the former Express Cleaners located at 3941 N. Main Street, Racine, Wisconsin. In your email, you explained that spillage of tetrachloroethylene occurred on the concrete floor and the owner has determined that the concrete floor contains a F002 hazardous waste due to the spillage of the tetrachloroethylene.

Under s. NR 661.03(6)(b) Wisconsin Administrative Code (WAC), the department can determine after considering the extent of contamination in the debris (i.e., the concrete floor) whether the debris remains contaminated with hazardous waste.

Information presented in your email states the highest concentration of tetrachloroethylene found in the concrete floor was 0.084 mg/kg. The department does not have specific standards for determining when debris no longer contains a listed hazardous waste, but on a case-by-case basis, makes a decision based on the protection of human health and the environment. Therefore, based on the concentration of the tetrachloroethylene in the concrete floor being below the industrial Residual Contaminant Level (RCL) for soil at 153 mg/kg and the Land Disposal Restriction (LDR) standard of 6.0 mg/kg, the department concurs with your assessment that the residual levels of tetrachloroethylene in the concrete floor levels are low enough to be considered to no longer contain a listed hazardous waste. However, due to the remaining residual contamination and to be protective to human health and the environment, the contaminated concrete may only be disposed of in a licensed solid waste landfill.

If you have any additional questions or comments, please contact me at (262) 884-2342.

Sincerely,

Mike Ellenbecker

Michael J. Ellenbecker
Hazardous Waste Program Coordinator
Hazardous Waste & Mining Section
Bureau of Waste and Materials Management

cc: Ed Lynch - DNR WA/5
Gary Edelstein - DNR RR/5
Nancy Ryan - DNR SE Region

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Bill, I am returning the $700 fee submitted to the RR program for the contained out request as WMM does not ~~require~~ follow the same fee schedule. You would be advised of any fee required by WMM. Thanks, Nancy R.

August 25, 2015

Mr. Bill Scott
Gonzalez Saggio & Harlan LLP
111 E. Wisconsin Ave., Suite 1000
Milwaukee, WI 53202

SUBJECT: Contained Out Determination for the Former Express Cleaners located at 3941 N. Main Street, Racine, Wisconsin BRRTS#: 02-52-547631

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Information presented in your email states the highest concentration of tetrachloroethylene found in the concrete floor was 0.084 mg/kg. The department does not have specific standards for determining when debris no longer contains a listed hazardous waste, but on a case-by-case basis, makes a decision based on the protection of human health and the environment. Therefore, based on the concentration of the tetrachloroethylene in the concrete floor being below the industrial Residual Contaminant Level (RCL) for soil at 153 mg/kg and the Land Disposal Restriction (LDR) standard of 6.0 mg/kg, the department concurs with your assessment that the residual levels of tetrachloroethylene in the concrete floor levels are low enough to be considered to no longer contain a listed hazardous waste. However, due to the remaining residual contamination and to be protective to human health and the environment, the contaminated concrete may only be disposed of in a licensed solid waste landfill.

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Michael J. Ellenbecker
Hazardous Waste Program Coordinator
Hazardous Waste & Mining Section
Bureau of Waste and Materials Management

cc: Ed Lynch - DNR WA/5
Gary Edelstein - DNR RR/5
Nancy Ryan - DNR SE Region

Section 1. Contact and Recipient Information

Requester Information

This is the person who I requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name	First	MI	Organization/ Business Name		
			Ehrlich Family Limited Partnership		
Mailing Address			City	State	ZIP Code
PO Box 081007			Racine	WI	53408-1007
Phone # (include area code)	Fax # (include area code)		Email		
	(262) 898-9399				

The requester listed above: (select all that apply)

- ☒ Is currently the owner
- ☒ Is considering selling the Property
- ☐ Is renting or leasing the Property
- ☐ Is considering acquiring the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☐ Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request)

☐ Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name		
Scott	William	P	Gonzalez Saggio & Harlan LLP		
Mailing Address			City	State	ZIP Code
111 East Wisconsin Ave., Suite 1000			Milwaukee	WI	53202
Phone # (include area code)	Fax # (include area code)		Email		
(414) 755-8144	(414) 277-8521		bill_scott@gshllp.com		

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Nauta	Robert	J	RJN Environmental Services, LLC		
Mailing Address			City	State	ZIP Code
4631 County Road A			Oregon	WI	53575
Phone # (include area code)	Fax # (include area code)		Email		
(608) 576-3001			rjnesllc@charter.net		

Attorney (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Scott	William	P	Gonzalez Saggio & Harlan LLP		
Mailing Address			City	State	ZIP Code
111 East Wisconsin Ave., Suite 1000			Milwaukee	WI	53202
Phone # (include area code)	Fax # (include area code)		Email		
(414) 755-8144	(414) 277-8521		bill_scott@gshllp.com		

Section 2. Property Information

Property Name			FID No. (if known)	
Former Express Cleaners			252010000	
BRRTS No. (if known)	Parcel Identification Number			
#02-52-547631	04690001			
Street Address	City		State	ZIP Code
3921-41 N. Main Street	Racine		WI	53402
County	Municipality where the Property is located	Property is composed of:		Property Size Acres
Racine	◉ City ○ Town ○ Village of Racine	◉ Single tax parcel ○ Multiple tax parcels		1

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

○ No ◉ Yes

Date requested by: 08/20/2015

Reason: Cost savings will accrue if the DNR determination is made before the slab is demolished, so the broken pieces may be removed from the site without re-mobilizing heavy equipment. Also, if the debris is left stored on-site it will prevent access for conducting remedial activities.

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

◉ No. **Include the fee that is required for your request in Section 3, 4 or 5.**

○ Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:
Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: **[Numbers in brackets are for WI DNR Use]**

☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of $350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.

☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**

☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**

☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**

☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**

☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**

☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**

☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**

☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**

☐ Hazardous Waste Determination - **Include a fee of $700.**

☒ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**

☐ Include a fee of $300 for sites with residual soil contamination; and

☐ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

☐ Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description; and,
(3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-105agrmt.pdf).

☐ Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description; and,
(3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-106agrmt.pdf).

☐ Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

- ❖ **Include a fee of $1400, and the information listed below:**

(1) a draft schedule for remediation; and,
(2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

☐ Phase I Environmental Site Assessment Report - Date: _____

☐ Phase II Environmental Site Assessment Report - Date: _____

☐ Legal Description of Property (required for all liability requests and specialized agreements)

☐ Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

☐ Groundwater ☐ Soil ☐ Sediment ☒ Other medium - Describe: Concrete floor slab and foundation

Date of Collection: _____

☐ A copy of the closure letter and submittal materials

☐ Draft tax cancellation agreement

☐ Draft agreement for assignment of tax foreclosure judgment

☒ Other report(s) or information - Describe: Summary of samples and analysis, lab reports

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

◯ Yes - Date (if known): _____

◯ No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at: dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

☐ I am the person submitting this request (requester)

☒ I prepared this request for: Ehrlich Family Limited Partnership
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

William J Foth
Signature

August 12, 2015
Date Signed

Attorney at Law
Title

414-755-8144
Telephone Number (include area code)

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

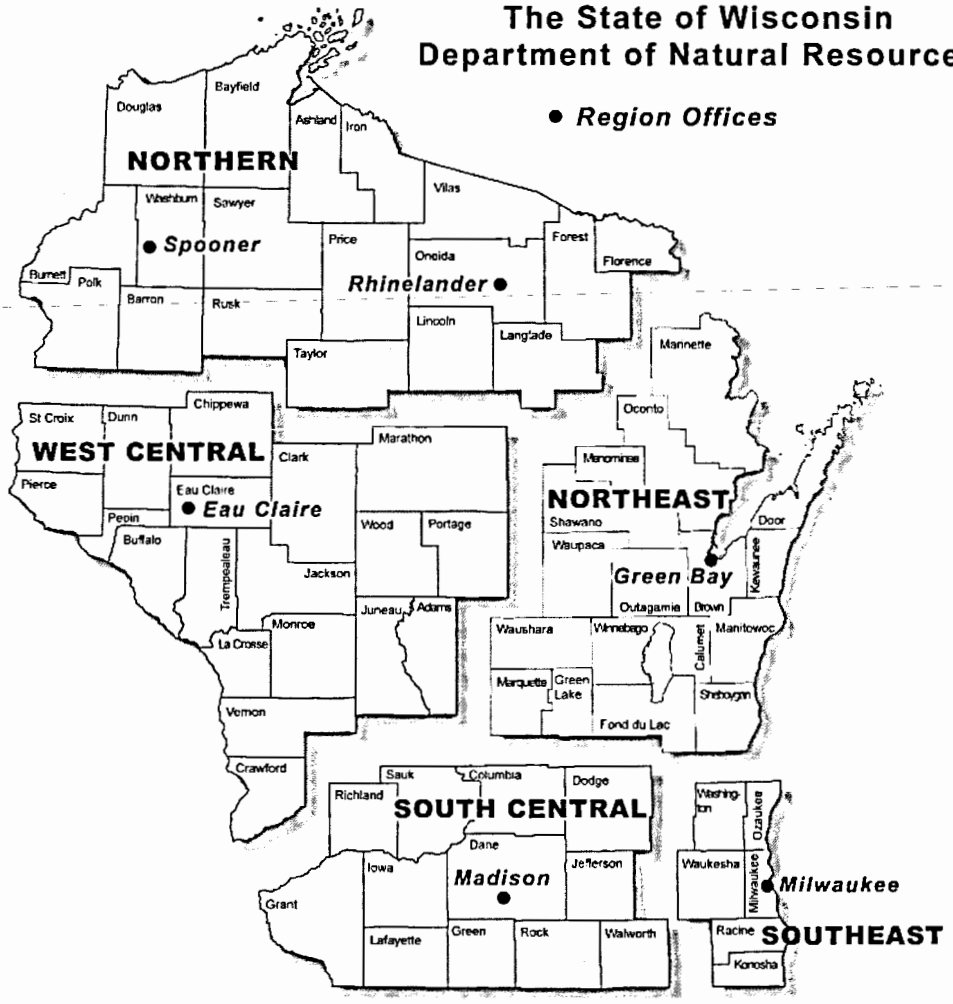
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTHEAST CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer	Comments		
Fee Enclosed? ◯ Yes ◯ No	Fee Amount $	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

NARRATIVE REQUEST FOR CONTAINED OUT DETERMINATION

Narrative Request for Contained Out Determination

Former Express Cleaners, 3921-41 N. Main Street, Racine, Wisconsin; BRRTS #02-52-547631

August 12, 2015

The Ehrlich Family Limited Partnership (the "Owner") requests the Department's "Contained Out Determination" pursuant to s. NR 661.03(6)(b), Wis. Admin. Code to conclude that the concrete debris from the floor slab and foundation that is contaminated by solvents at the above-referenced property is not hazardous waste because it: (a) does not exhibit a characteristic of hazardous waste, and; (b) is no longer contaminated to such an extent that it presents a health threat.

If the Contained Out Determination finds the debris is not hazardous waste, the contaminated debris would be disposed off-site as solid waste at a licensed facility and no hazardous waste manifest and no hazardous waste generator report would be prepared. Alternatively, if the WDNR would also approve beneficial reuse of the contaminated concrete, the debris would be crushed and reused for road construction, rather than disposed as solid waste. If the Department can quickly perform the requested Contained Out Determination, the slab and foundation will be demolished and the debris will be removed from the site concurrent with the demolition operations. If not, the debris will be stockpiled within the area of contamination and removed later, necessitating additional cost for another mobilization of heavy equipment and preventing access to implement a remedy.

Apparently, the contaminated concrete became contaminated when solvents from one or more former dry cleaning operation spilled. Because the dry cleaning was performed by sub-tenants or tenants and the Owner never operated the dry cleaner, the Owner does not know when any spill occurred or whether any spill involved fresh product or spent solvent or the concentration of the materials that spilled. Consequently, the Owner could conclude it is not hazardous waste based on lack of knowledge of the date of spill and material spilled. However, for the purposes of this request, the Owner determines the contaminated concrete will be F002 hazardous waste.

However, analytical tests show the concentration of solvent in the concrete is so low, that human health would not be at risk if humans were exposed to the contaminated concrete. The health–based standards that apply to contaminated media allow the contained out determination at and below 153 mg/kg PCE (compare to highest PCE in the Owner's concrete = 0.084 mg/kg). Similarly, the health–based standards that apply to contaminated media allow the contained out determination at and below 2 mg/kg VC (compare to highest VC in the Owner's concrete = 0.17 mg/kg). Also, the total contaminant is far less than 20 times the toxicity characteristic for PCE and VC, so the 'rule of thumb' for toxicity characteristic applies to confirm the material does not need to be analyzed using the TCLP test and the concrete is not characteristic hazardous waste. As provided in s. NR 661.24, Table 2, the Toxicity Characteristic regulatory level for PCE = 0.7 mg/L (ppm) x 20 = 14 ppm (compare to the maximum PCE in debris = 0.084 ppm); and for VC = 0.2 mg/L (ppm) x 20 = 4 ppm (compare to the maximum VC in debris = 0.17 ppm). A summary report is attached showing the sample locations and results, and all lab reports are attached.

As a consequence of all of the above, the Owner believes the Department may determine the concrete is "contained out" and is therefore not hazardous waste. The Department may make this determination under s. NR 661.03(6)(b), Wis. Admin. Code and the One Cleanup MOU. The contained out determination is also provided in the federal Hazardous Waste Identification Rule as codified at 40 CFR § 261.3(f)(2) and is explained in the EPA RCRA Training Module "Introduction to Hazardous Waste Identification" (pages 22-23).

WISCONSIN ADMINISTRATIVE CODE
NR 661.20

that is applicable as set forth in this subchapter. This number shall be used in complying with s. NR 660.07 and all applicable record-keeping and reporting requirements under chs. NR 662 to 665, 668 and 670.

(3) For purposes of this subchapter, the department will consider a sample obtained using any of the applicable sampling methods specified in ch. NR 661 Appendix I to be a representative sample within the meaning of s. NR 660.10.

Note: Since the ch. NR 661 Appendix I sampling methods are not being formally adopted by the department, a person who desires to employ an alternative sampling method is not required to demonstrate the equivalency of the alternative method under the procedures set forth in ss. NR 660.20 and 660.21.

History: CR 05–032: cr. Register July 2006 No. 607, eff. 8–1–06; correction in (3) made under s. 13.92 (4) (b) 7., Stats., Register March 2013 No. 687.

NR 661.21 Ignitability characteristic. (1) A solid waste exhibits the ignitability characteristic if a representative sample of the waste has any of the following properties:

(a) It is a liquid, other than an aqueous solution containing less than 24% alcohol by volume, and has a flash point less than 60°C (140°F) as determined by a Pensky–Martens closed cup tester, using the test method specified in ASTM D93–79 or D93–80 (incorporated by reference in s. NR 660.11), or a Setaflash closed cup tester, using the test method specified in ASTM D3278–78 (incorporated by reference in s. NR 660.11), or as determined by an equivalent test method approved by the department under procedures set forth in ss. NR 660.20 and 660.21.

(b) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns so vigorously and persistently that it creates a hazard.

(c) It is a flammable gas as defined in 49 CFR 173.115(a) and as determined by the test methods described in that regulation or equivalent test methods approved by the department under ss. NR 660.20 and 660.21.

(d) It is an oxidizer as defined in 49 CFR 173.127(a).

(2) A solid waste that exhibits the ignitability characteristic has the EPA hazardous waste number D001.

History: CR 05–032: cr. Register July 2006 No. 607, eff. 8–1–06.

NR 661.22 Corrosivity characteristic. (1) A solid waste exhibits the corrosivity characteristic if a representative sample of the waste has any of the following properties:

(a) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, as determined by a pH meter using Method 9040 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW–846, incorporated by reference in s. NR 660.11.

(b) It is a liquid and corrodes steel (SAE 1020) at a rate greater than 6.35 mm (0.250 inch) per year at a test temperature of 55°C (130°F) as determined by the test method specified in NACE (national association of corrosion engineers) Standard TM–01–69 as standardized in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW–846, incorporated by reference in s. NR 660.11.

(2) A solid waste that exhibits the corrosivity characteristic has the EPA hazardous waste number D002.

History: CR 05–032: cr. Register July 2006 No. 607, eff. 8–1–06.

NR 661.23 Reactivity characteristic. (1) A solid waste exhibits the reactivity characteristic if a representative sample of the waste has any of the following properties:

(a) It is normally unstable and readily undergoes violent change without detonating.

(b) It reacts violently with water.

(c) It forms potentially explosive mixtures with water.

(d) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment.

(e) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment.

(f) It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement.

(g) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure.

(h) It is a forbidden explosive as defined in 49 CFR 173.54, or would have been a Class A or Class B explosive as defined in 49 CFR 173.52 and 173.53.

(2) A solid waste that exhibits the reactivity characteristic has the EPA hazardous waste number D003.

History: CR 05–032: cr. Register July 2006 No. 607, eff. 8–1–06.

NR 661.24 Toxicity characteristic. (1) A solid waste (except manufactured gas plant waste) exhibits the toxicity characteristic if, using the toxicity characteristic leaching procedure, Method 1311 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW–846, incorporated by reference in s. NR 660.11, the extract from a representative sample of the waste contains any of the contaminants listed in Table 2 at the concentration equal to or greater than the respective value given in that table. Where the waste contains less than 0.5% filterable solids, the waste itself, after filtering using the methodology outlined in Method 1311, is considered to be the extract for the purpose of this section.

(2) A solid waste that exhibits the toxicity characteristic has the EPA hazardous waste number specified in Table 2 which corresponds to the toxic contaminant causing it to be hazardous.

Table 2
Maximum Concentration of Contaminants for the Toxicity Characteristic

EPA HW No. [1]	Contaminant	CAS number [2]	Regulatory Level (mg/L)
D004	Arsenic	7440–38–2	5.0
D005	Barium	7440–39–3	100.0
D018	Benzene	71–43–2	0.5
D006	Cadmium	7440–43–9	1.0
D019	Carbon tetrachloride	56–23–5	0.5
D020	Chlordane	57–74–9	0.03
D021	Chlorobenzene	108–90–7	100.0
D022	Chloroform	67–66–3	6.0
D007	Chromium	7440–47–3	5.0
D023	o–Cresol	95–48–7	[4]200.0
D024	m–Cresol	108–39–4	[4]200.0
D025	p–Cresol	106–44–5	[4]200.0
D026	Cresol		[4]200.0
D016	2,4–D	94–75–7	10.0
D027	1,4–Dichlorobenzene	106–46–7	7.5
D028	1,2–Dichloroethane	107–06–2	0.5
D029	1,1–Dichloroethylene	75–35–4	0.7
D030	2,4–Dinitrotoluene	121–14–2	[3]0.13
D012	Endrin	72–20–8	0.02
D031	Heptachlor (and its epoxide)	76–44–8	0.008
D032	Hexachlorobenzene	118–74–1	[3]0.13
D033	Hexachlorobutadiene	87–68–3	0.5
D034	Hexachloroethane	67–72–1	3.0
D008	Lead	7439–92–1	5.0
D013	Lindane	58–89–9	0.4
D009	Mercury	7439–97–6	0.2

D014	Methoxychlor	72–43–5	10.0
D035	Methyl ethyl ketone	78–93–3	200.0
D036	Nitrobenzene	98–95–3	2.0
D037	Pentachlorophenol	87–86–5	100.0
D038	Pyridine	110–86–1	[3]5.0
D010	Selenium	7782–49–2	1.0
D011	Silver	7440–22–4	5.0
D039	Tetrachloroethylene	127–18–4	0.7
D015	Toxaphene	8001–35–2	0.5
D040	Trichloroethylene	79–01–6	0.5
D041	2,4,5–Trichlorophenol	95–95–4	400.0
D042	2,4,6–Trichlorophenol	88–06–2	2.0
D017	2,4,5–TP (Silvex)	93–72–1	1.0
D043	Vinyl chloride	75–01–4	0.2

[1] Hazardous waste number.

[2] Chemical abstracts service number.

[3] Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

[4] If o–, m–, and p–Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/L.

History: CR 05–032: cr. Register July 2006 No. 607, eff. 8–1–06.

Subchapter D — Lists of Hazardous Wastes

NR 661.30 General. (1) A solid waste is a hazardous waste if it is listed in this subchapter, unless it has been excluded from this list under ss. NR 660.20 and 660.22.

(2) The department will indicate the basis for listing the classes or types of wastes listed in this subchapter by employing one or more of the following hazard codes:

Ignitable Waste	(I)
Corrosive Waste	(C)
Reactive Waste	(R)
Toxicity Characteristic Waste	(E)
Acute Hazardous Waste	(H)
Toxic Waste	(T)

Ch. NR 661 Appendix VII identifies the constituent which caused the department to list the waste as a toxicity characteristic waste (E) or toxic waste (T) in ss. NR 661.31 and 661.32.

(3) Each hazardous waste listed in this subchapter is assigned an EPA hazardous waste number which precedes the name of the waste. This number shall be used in complying with s. NR 660.07 and certain recordkeeping and reporting requirements under chs. NR 662 to 665, 668 and 670.

(4) The following hazardous wastes listed in s. NR 661.31 or 661.32 are subject to the exclusion limits for acutely hazardous wastes established in s. NR 662.220: EPA hazardous waste numbers F020, F021, F022, F023, F026 and F027.

History: CR 05–032: cr. Register July 2006 No. 607, eff. 8–1–06; correction in (2) made under s. 13.92 (4) (b) 7., Stats., Register March 2013 No. 687.

NR 661.31 Hazardous wastes from non–specific sources. (1) LISTED HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. The following solid wastes are listed hazardous wastes from non–specific sources unless they are excluded under ss. NR 660.20 and 660.22 and listed in 40 CFR part 261, appendix IX:

Industry and EPA hazardous waste number	Hazardous waste	Hazard code
Generic:		
F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1–trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures or blends used in degreasing containing, before use, a total of 10% or more (by volume) of one or more of these halogenated solvents or those solvents listed in F002, F004 and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1–trichloroethane, chlorobenzene, 1,1,2–trichloro–1,2,2– trifluoroethane, ortho–dichlorobenzene, trichlorofluoromethane and 1,1, 2–trichloroethane; all spent solvent mixtures or blends containing, before use, a total of 10% or more (by volume) of one or more of these halogenated solvents or those listed in F001, F004 or F005; and still bottoms from the recovery of these spent solvents and spent solvents mixtures.	(T)
F003	The following spent non–halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n–butyl alcohol, cyclohexanone and methanol; all spent solvent mixtures or blends containing, before use, only these spent non–halogenated solvents; all spent solvent mixtures or blends containing, before use, one or more of these non–halogenated solvents, and, a total of 10% or more (by volume) of one or more of those solvents listed in F001, F002, F004 and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(I)
F004	The following spent non–halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures or blends containing, before use, a total of 10% or more (by volume) of one or more of these non–halogenated solvents or those solvents listed in F001, F002 and F005; and still bottoms from the recovery of these spent solvents and spent solvents mixtures.	(T)

RJN ENVIRONMENTAL SERVICES, LLC
MEMORANDUM AUGUST 12, 2015

RJN Environmental Services, LLC
Hydrogeological Studies
Surface Water Studies

MEMORANDUM

TO: Bill Scott | FROM: Bob Nauta

PROJECT: Ehrlich | DATE: August 12, 2015

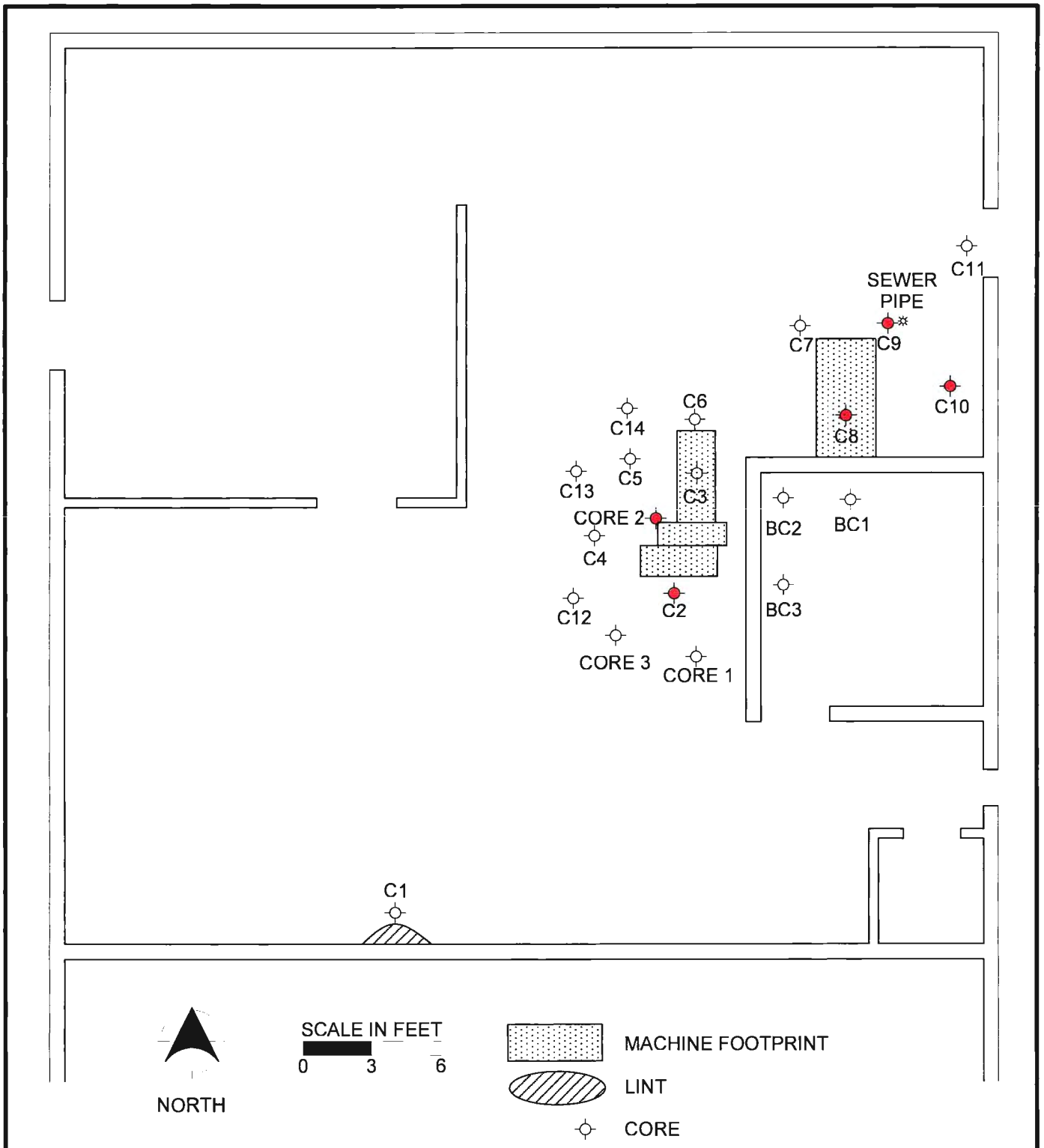
SUBJECT: Concrete Samples

The attached Figure 1 shows the locations of concrete core samples that were collected. The figure also shows the former locations of dry cleaning equipment, which represent the areas of tetrachloroethene (PCE) handling. All samples were submitted for laboratory analyses of chlorinated volatile organic compounds with the exception of cores C11, C12, C13 and C14. The rationale for this was that samples closest to the PCE handling areas would be analyzed, and if those did not fully define the area of impacted concrete, then the additional four samples would be analyzed. Samples were sent to Test America in College Park, Illinois for analyses. I inquired about the process, and a lab representative told me that for each sample, the entire 6-inch-long core was crushed, and a composite sample was collected for analysis. The sample results are as follows:

CORE	PCE (mg/kg)	CORE	PCE (mg/kg)
CORE 1	Non-detect (ND)	C6	ND
CORE 2	0.084	C7	ND
CORE 3	ND	C8	0.076
C1	ND	C9	0.062
C2	0.033	C10	0.042
C3	ND	BC1	ND
C4	ND	BC2	ND
C5	ND	BC3	ND

Methylene chloride was detected in BC1, BC2 and BC3, but the laboratory confirmed that these detections were lab contaminants. No other compounds were detected.

4631 County Road A • Oregon, Wisconsin 53575
(608) 576-3001



RJN Environmental Services, LLC
Surface Water Studies
Groundwater Studies
Site Investigations
4631 COUNTY ROAD A, OREGON, WISCONSIN 53575 (608) 576-3001

GONZALEZ, SAGGIO & HARLAN
EXPRESS CLEANERS
CORE LOCATIONS

FIGURE 1

DRAWN BY	PROJ. No.	DATE	FILE
RN	10-203	12 AUG 15	CORE LOC

TESTAMERICA ANALYTICAL REPORT
9/23/13

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-62697-1
Client Project/Site: Express Cleaners

For:
RJN Environmental Services LLC
4631 County Road A
Oregon, Wisconsin 53575

Attn: Robert J Nauta

Sandie Fredrick

Authorized for release by:
9/23/2013 5:00:35 PM

Sandie Fredrick, Project Manager I
sandie.fredrick@testamericainc.com

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Case Narrative

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners

TestAmerica Job ID: 500-62697-1

Job ID: 500-62697-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-62697-1

Comments
No additional comments.

Receipt
The samples were received on 9/10/2013 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA
Method(s) 5030B: The extract was prepared from a 2 oz. jar more than 48 hours after sampling. Core 1 (500-62697-1), Core 2 (500-62697-2), Core 3 (500-62697-3).

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Detection Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners

TestAmerica Job ID: 500-62697-1

Client Sample ID: Core 1 — Lab Sample ID: 500-62697-1

No Detections.

Client Sample ID: Core 2 — Lab Sample ID: 500-62697-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	84		55	9.2	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: Core 3 — Lab Sample ID: 500-62697-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners

TestAmerica Job ID: 500-62697-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

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 CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners

TestAmerica Job ID: 500-62697-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-62697-1	Core 1	Solid	09/09/13 10:15	09/10/13 09:10
500-62697-2	Core 2	Solid	09/09/13 10:30	09/10/13 09:10
500-62697-3	Core 3	Solid	09/09/13 10:45	09/10/13 09:10

Client Sample ID: Core 1

Lab Sample ID: 500-62697-1
Date Collected: 09/09/13 10:15
Matrix: Solid
Date Received: 09/10/13 09:10
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<9.1		55	9.1	ug/Kg	☼	09/13/13 20:41	09/16/13 17:20	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*09/13/13 20:41*	*09/16/13 17:20*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*09/13/13 20:41*	*09/16/13 17:20*	*50*
4-Bromofluorobenzene (Surr)	*106*		*75 - 120*	*09/13/13 20:41*	*09/16/13 17:20*	*50*
Dibromofluoromethane	*84*		*75 - 120*	*09/13/13 20:41*	*09/16/13 17:20*	*50*

Client Sample ID: Core 2

Lab Sample ID: 500-62697-2
Date Collected: 09/09/13 10:30
Matrix: Solid
Date Received: 09/10/13 09:10
Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	84		55	9.2	ug/Kg	☼	09/13/13 20:41	09/16/13 17:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*	*09/13/13 20:41*	*09/16/13 17:44*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*09/13/13 20:41*	*09/16/13 17:44*	*50*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*	*09/13/13 20:41*	*09/16/13 17:44*	*50*
Dibromofluoromethane	*85*		*75 - 120*	*09/13/13 20:41*	*09/16/13 17:44*	*50*

Client Sample ID: Core 3

Lab Sample ID: 500-62697-3
Date Collected: 09/09/13 10:45
Matrix: Solid
Date Received: 09/10/13 09:10
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<9.4		57	9.4	ug/Kg	☼	09/13/13 20:41	09/16/13 18:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*09/13/13 20:41*	*09/16/13 18:09*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*09/13/13 20:41*	*09/16/13 18:09*	*50*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*	*09/13/13 20:41*	*09/16/13 18:09*	*50*
Dibromofluoromethane	*83*		*75 - 120*	*09/13/13 20:41*	*09/16/13 18:09*	*50*

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
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)

QC Association Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners

TestAmerica Job ID: 500-62697-1

GC/MS VOA

Prep Batch: 202204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-62697-1	Core 1	Total/NA	Solid	5030B	
500-62697-2	Core 2	Total/NA	Solid	5030B	
500-62697-3	Core 3	Total/NA	Solid	5030B	
500-62697-3 MS	Core 3	Total/NA	Solid	5030B	
500-62697-3 MSD	Core 3	Total/NA	Solid	5030B	
LB3 500-202204/11-A LB3	Method Blank	Total/NA	Solid	5030B	
LCS 500-202204/12-A	Lab Control Sample	Total/NA	Solid	5030B	

Analysis Batch: 202708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-62697-1	Core 1	Total/NA	Solid	8260B	202204
500-62697-2	Core 2	Total/NA	Solid	8260B	202204
500-62697-3	Core 3	Total/NA	Solid	8260B	202204
500-62697-3 MS	Core 3	Total/NA	Solid	8260B	202204
500-62697-3 MSD	Core 3	Total/NA	Solid	8260B	202204
LB3 500-202204/11-A LB3	Method Blank	Total/NA	Solid	8260B	202204
LCS 500-202204/12-A	Lab Control Sample	Total/NA	Solid	8260B	202204
LCS 500-202708/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-202708/6	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 202316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-62697-1	Core 1	Total/NA	Solid	Moisture	
500-62697-2	Core 2	Total/NA	Solid	Moisture	
500-62697-3	Core 3	Total/NA	Solid	Moisture	

Surrogate Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners

TestAmerica Job ID: 500-62697-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-62697-1	Core 1	110	97	106	84
500-62697-2	Core 2	109	99	102	85
500-62697-3	Core 3	110	98	103	83
500-62697-3 MS	Core 3	109	96	98	88
500-62697-3 MSD	Core 3	111	95	99	90
LB3 500-202204/11-A LB3	Method Blank	110	97	103	88
LCS 500-202204/12-A	Lab Control Sample	109	94	101	95
LCS 500-202708/4	Lab Control Sample	101	94	97	92
MB 500-202708/6	Method Blank	110	94	104	91

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

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

Lab Sample ID: LB3 500-202204/11-A LB3
Matrix: Solid
Analysis Batch: 202708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202204

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<8.4		50	8.4	ug/Kg		09/13/13 20:45	09/16/13 18:34	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*09/13/13 20:45*	*09/16/13 18:34*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*09/13/13 20:45*	*09/16/13 18:34*	*50*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*	*09/13/13 20:45*	*09/16/13 18:34*	*50*
Dibromofluoromethane	*88*		*75 - 120*	*09/13/13 20:45*	*09/16/13 18:34*	*50*

Lab Sample ID: LCS 500-202204/12-A
Matrix: Solid
Analysis Batch: 202708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	2500	2380		ug/Kg		95	70 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*
Toluene-d8 (Surr)	*94*		*75 - 120*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*
Dibromofluoromethane	*95*		*75 - 120*

Lab Sample ID: 500-62697-3 MS
Matrix: Solid
Analysis Batch: 202708

Client Sample ID: Core 3
Prep Type: Total/NA
Prep Batch: 202204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	<9.4		2830	3130		ug/Kg	☼	111	70 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*
Toluene-d8 (Surr)	*96*		*75 - 120*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*
Dibromofluoromethane	*88*		*75 - 120*

Lab Sample ID: 500-62697-3 MSD
Matrix: Solid
Analysis Batch: 202708

Client Sample ID: Core 3
Prep Type: Total/NA
Prep Batch: 202204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	<9.4		2830	2870		ug/Kg	☼	101	70 - 123	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 125*
Toluene-d8 (Surr)	*95*		*75 - 120*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*
Dibromofluoromethane	*90*		*75 - 120*

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

Lab Sample ID: MB 500-202708/6
Matrix: Solid
Analysis Batch: 202708

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			09/16/13 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*		*09/16/13 10:45*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*09/16/13 10:45*	*1*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*		*09/16/13 10:45*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*09/16/13 10:45*	*1*

Lab Sample ID: LCS 500-202708/4
Matrix: Solid
Analysis Batch: 202708

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrachloroethene			50.0	51.6		ug/Kg		103	70 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*
Toluene-d8 (Surr)	*94*		*75 - 120*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*
Dibromofluoromethane	*92*		*75 - 120*

Lab Chronicle

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners

TestAmerica Job ID: 500-62697-1

Client Sample ID: Core 1

Lab Sample ID: 500-62697-1
Date Collected: 09/09/13 10:15
Matrix: Solid
Date Received: 09/10/13 09:10
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			202204	09/13/13 20:41	WRE	TAL CHI
Total/NA	Analysis	8260B		50	202708	09/16/13 17:20	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	202316	09/12/13 09:08	CMV	TAL CHI

Client Sample ID: Core 2

Lab Sample ID: 500-62697-2
Date Collected: 09/09/13 10:30
Matrix: Solid
Date Received: 09/10/13 09:10
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			202204	09/13/13 20:41	WRE	TAL CHI
Total/NA	Analysis	8260B		50	202708	09/16/13 17:44	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	202316	09/12/13 09:08	CMV	TAL CHI

Client Sample ID: Core 3

Lab Sample ID: 500-62697-3
Date Collected: 09/09/13 10:45
Matrix: Solid
Date Received: 09/10/13 09:10
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			202204	09/13/13 20:41	WRE	TAL CHI
Total/NA	Analysis	8260B		50	202708	09/16/13 18:09	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	202316	09/12/13 09:08	CMV	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners

TestAmerica Job ID: 500-62697-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	09-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TE

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.52

500-62697 COC

(optional)
Report To
Contact: BOB NAUTA
Company: RJN ENV. SVC.
Address: 4631 COUNTY RD. A
Address: OREGON, WI 53575
Phone: 608.576.3001
Fax:
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-62697

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.4

Client	Client Project #
RJN ENV. SVC.	
Project Name	Parameter
EXPRESS CLEANERS	
Project Location/State	Lab Project #
WI	
Sampler	Lab PM
NAUTA	

Preservative: 8

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	PCE	Comments
1		CORE 1	9/9	1015	1	O	X	CONCRETE CORES
2		CORE 2	"	1030	1	O	X	"
3		CORE 3	"	1045	1	O	X	"

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	RJN	9/9/13	1415	[signature]	TA	9/10/13	0910
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped FX
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: RJN Environmental Services LLC

Job Number: 500-62697-1

Login Number: 62697
List Number: 1
Creator: Lunt, Jeff T

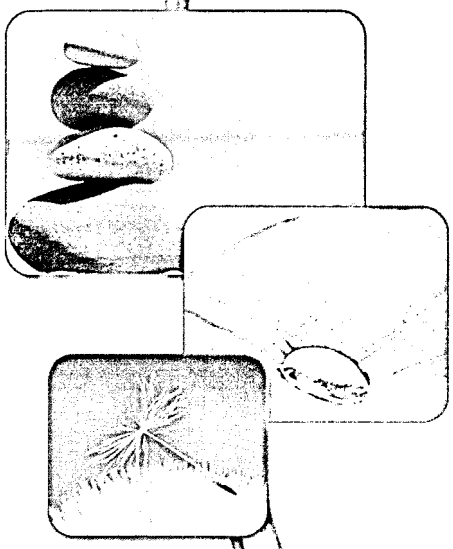
List Source: TestAmerica Chicago

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	2.4
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 ANALYTICAL REPORT
10/24/14

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-86210-1
Client Project/Site: Express Cleaners - 10-203

For:
RJN Environmental Services LLC
4631 County Road A
Oregon, Wisconsin 53575

Attn: Robert J Nauta

Sandie Fredrick

Authorized for release by:
10/24/2014 11:12:31 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

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Job ID: 500-86210-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-86210-1

Comments
No additional comments.

Receipt
The samples were received on 10/16/2014 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC/MS VOA
Method(s) 8260B: The following samples arrived to the laboratory in large concrete cores in plastic ziploc bags. The cores had to be processed through a crusher in order to break the sample into small enough pieces for analysis. This procedure is not recommend by the method due to the potential for the loss of volatile compounds and therefore, all volatile results should be considered estimated. C1 (500-86210-1), C10 (500-86210-10), C2 (500-86210-2), C3 (500-86210-3), C4 (500-86210-4), C5 (500-86210-5), C6 (500-86210-6), C7 (500-86210-7), C8 (500-86210-8), C9 (500-86210-9)

Method(s) 8260B: CC-TILE (500-86210-11), EC-TILE (500-86210-13), R-EC (500-86210-15), R-SC (500-86210-14), SC-TILE (500-86210-12). The following samples arrived to the laboratory in large plastic ziploc bags. The samples were large pieces of ceiling tile and other solid type material that had to be broken up into small enough pieces for analysis. This procedure is not recommend by the method due to the potential for the loss of volatile compounds and therefore, all volatile results should be considered estimated.

Method(s) 5030B: extract has < 8 grams of sample in 10 ml of methanol. CC-TILE (500-86210-11), EC-TILE (500-86210-13), SC-TILE (500-86210-12)

Method(s) 8260B: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: R-EC (500-86210-15), R-SC (500-86210-14). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-86210-1

Client Sample ID: C1 — Lab Sample ID: 500-86210-1

No Detections.

Client Sample ID: C2 — Lab Sample ID: 500-86210-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	33	J	55	9.1	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: C3 — Lab Sample ID: 500-86210-3

No Detections.

Client Sample ID: C4 — Lab Sample ID: 500-86210-4

No Detections.

Client Sample ID: C5 — Lab Sample ID: 500-86210-5

No Detections.

Client Sample ID: C6 — Lab Sample ID: 500-86210-6

No Detections.

Client Sample ID: C7 — Lab Sample ID: 500-86210-7

No Detections.

Client Sample ID: C8 — Lab Sample ID: 500-86210-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	76		55	9.2	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: C9 — Lab Sample ID: 500-86210-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	62		55	9.2	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: C10 — Lab Sample ID: 500-86210-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	42	J	58	9.7	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: CC-TILE — Lab Sample ID: 500-86210-11

No Detections.

Client Sample ID: SC-TILE — Lab Sample ID: 500-86210-12

No Detections.

Client Sample ID: EC-TILE — Lab Sample ID: 500-86210-13

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-86210-1

Client Sample ID: R-SC

Lab Sample ID: 500-86210-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	170	J	180	76	ug/Kg	200	☼	8260B	Total/NA

Client Sample ID: R-EC

Lab Sample ID: 500-86210-15

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-86210-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

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 CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-86210-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-86210-1	C1	Solid	10/15/14 11:33	10/16/14 10:10
500-86210-2	C2	Solid	10/15/14 12:10	10/16/14 10:10
500-86210-3	C3	Solid	10/15/14 12:29	10/16/14 10:10
500-86210-4	C4	Solid	10/15/14 12:36	10/16/14 10:10
500-86210-5	C5	Solid	10/15/14 12:52	10/16/14 10:10
500-86210-6	C6	Solid	10/15/14 13:10	10/16/14 10:10
500-86210-7	C7	Solid	10/15/14 13:22	10/16/14 10:10
500-86210-8	C8	Solid	10/15/14 13:45	10/16/14 10:10
500-86210-9	C9	Solid	10/15/14 13:57	10/16/14 10:10
500-86210-10	C10	Solid	10/15/14 14:08	10/16/14 10:10
500-86210-11	CC-TILE	Solid	10/15/14 11:30	10/16/14 10:10
500-86210-12	SC-TILE	Solid	10/15/14 10:00	10/16/14 10:10
500-86210-13	EC-TILE	Solid	10/15/14 10:05	10/16/14 10:10
500-86210-14	R-SC	Solid	10/15/14 11:30	10/16/14 10:10
500-86210-15	R-EC	Solid	10/15/14 11:31	10/16/14 10:10

Client Sample ID: C1

Date Collected: 10/15/14 11:33
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-1
Matrix: Solid
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		54	11	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
1,1,2-Trichloroethane	<15		54	15	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
1,1-Dichloroethane	<10		54	10	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
1,1-Dichloroethene	<17		54	17	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
1,2-Dichloroethane	<15		54	15	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
Carbon tetrachloride	<14		54	14	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
Chloroethane	<23		110	23	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
Chloroform	<11		54	11	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
Chloromethane	<25		110	25	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
cis-1,2-Dichloroethene	<6.6		54	6.6	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
Methylene Chloride	<37		270	37	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
Tetrachloroethene	<9.0		54	9.0	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
trans-1,2-Dichloroethene	<14		54	14	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
Trichloroethene	<10		27	10	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50
Vinyl chloride	<5.6		14	5.6	ug/Kg	☼	10/20/14 13:21	10/23/14 12:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*75 - 120*	*10/20/14 13:21*	*10/23/14 12:47*	*50*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 125*	*10/20/14 13:21*	*10/23/14 12:47*	*50*
4-Bromofluorobenzene (Surr)	*108*		*75 - 120*	*10/20/14 13:21*	*10/23/14 12:47*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*10/20/14 13:21*	*10/23/14 12:47*	*50*

Client Sample ID: C2

Date Collected: 10/15/14 12:10
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-2
Matrix: Solid
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		55	11	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
1,1,2-Trichloroethane	<15		55	15	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
1,1-Dichloroethane	<10		55	10	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
1,1-Dichloroethene	<17		55	17	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
1,2-Dichloroethane	<16		55	16	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
Carbon tetrachloride	<14		55	14	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
Chloroethane	<24		110	24	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
Chloroform	<11		55	11	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
Chloromethane	<25		110	25	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
cis-1,2-Dichloroethene	<6.7		55	6.7	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
Methylene Chloride	<37		270	37	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
Tetrachloroethene	**33**	**J**	55	9.1	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
trans-1,2-Dichloroethene	<14		55	14	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
Trichloroethene	<10		27	10	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50
Vinyl chloride	<5.7		14	5.7	ug/Kg	☼	10/20/14 13:22	10/23/14 13:12	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*75 - 120*	*10/20/14 13:22*	*10/23/14 13:12*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*10/20/14 13:22*	*10/23/14 13:12*	*50*
4-Bromofluorobenzene (Surr)	*106*		*75 - 120*	*10/20/14 13:22*	*10/23/14 13:12*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*10/20/14 13:22*	*10/23/14 13:12*	*50*

Client Sample ID: C3

Date Collected: 10/15/14 12:29
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-3
Matrix: Solid
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		56	11	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
1,1,2-Trichloroethane	<16		56	16	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
1,1-Dichloroethane	<10		56	10	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
1,1-Dichloroethene	<17		56	17	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
1,2-Dichloroethane	<16		56	16	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
Carbon tetrachloride	<14		56	14	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
Chloroethane	<24		110	24	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
Chloroform	<12		56	12	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
Chloromethane	<26		110	26	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
cis-1,2-Dichloroethene	<6.9		56	6.9	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
Methylene Chloride	<38		280	38	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
Tetrachloroethene	<9.4		56	9.4	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
trans-1,2-Dichloroethene	<14		56	14	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
Trichloroethene	<10		28	10	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50
Vinyl chloride	<5.9		14	5.9	ug/Kg	☼	10/20/14 13:23	10/23/14 13:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*75 - 120*	*10/20/14 13:23*	*10/23/14 13:37*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*10/20/14 13:23*	*10/23/14 13:37*	*50*
4-Bromofluorobenzene (Surr)	*110*		*75 - 120*	*10/20/14 13:23*	*10/23/14 13:37*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*10/20/14 13:23*	*10/23/14 13:37*	*50*

Client Sample ID: C4

Date Collected: 10/15/14 12:36
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-4
Matrix: Solid
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		56	11	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
1,1,2-Trichloroethane	<16		56	16	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
1,1-Dichloroethane	<10		56	10	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
1,1-Dichloroethene	<17		56	17	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
1,2-Dichloroethane	<16		56	16	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
Carbon tetrachloride	<14		56	14	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
Chloroethane	<24		110	24	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
Chloroform	<12		56	12	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
Chloromethane	<26		110	26	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
cis-1,2-Dichloroethene	<6.9		56	6.9	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
Methylene Chloride	<38		280	38	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
Tetrachloroethene	<9.4		56	9.4	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
trans-1,2-Dichloroethene	<14		56	14	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
Trichloroethene	<10		28	10	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50
Vinyl chloride	<5.8		14	5.8	ug/Kg	☼	10/20/14 13:25	10/23/14 14:02	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*75 - 120*	*10/20/14 13:25*	*10/23/14 14:02*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*10/20/14 13:25*	*10/23/14 14:02*	*50*
4-Bromofluorobenzene (Surr)	*109*		*75 - 120*	*10/20/14 13:25*	*10/23/14 14:02*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*10/20/14 13:25*	*10/23/14 14:02*	*50*

Client Sample ID: C5

Date Collected: 10/15/14 12:52
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-5
Matrix: Solid
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<12		58	12	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
1,1,2-Trichloroethane	<16		58	16	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
1,1-Dichloroethane	<11		58	11	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
1,1-Dichloroethene	<18		58	18	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
1,2-Dichloroethane	<16		58	16	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
Carbon tetrachloride	<15		58	15	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
Chloroethane	<25		120	25	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
Chloroform	<12		58	12	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
Chloromethane	<27		120	27	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
cis-1,2-Dichloroethene	<7.1		58	7.1	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
Methylene Chloride	<39		290	39	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
Tetrachloroethene	<9.6		58	9.6	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
trans-1,2-Dichloroethene	<14		58	14	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
Trichloroethene	<11		29	11	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50
Vinyl chloride	<6.0		14	6.0	ug/Kg	☼	10/20/14 13:26	10/23/14 14:28	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*75 - 120*	*10/20/14 13:26*	*10/23/14 14:28*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*	*10/20/14 13:26*	*10/23/14 14:28*	*50*
4-Bromofluorobenzene (Surr)	*111*		*75 - 120*	*10/20/14 13:26*	*10/23/14 14:28*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*10/20/14 13:26*	*10/23/14 14:28*	*50*

Client Sample ID: C6

Date Collected: 10/15/14 13:10
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-6
Matrix: Solid
Percent Solids: 95.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		55	11	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
1,1,2-Trichloroethane	<15		55	15	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
1,1-Dichloroethane	<10		55	10	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
1,1-Dichloroethene	<17		55	17	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
1,2-Dichloroethane	<16		55	16	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
Carbon tetrachloride	<14		55	14	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
Chloroethane	<24		110	24	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
Chloroform	<11		55	11	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
Chloromethane	<25		110	25	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
cis-1,2-Dichloroethene	<6.8		55	6.8	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
Methylene Chloride	<38		280	38	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
Tetrachloroethene	<9.2		55	9.2	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
trans-1,2-Dichloroethene	<14		55	14	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
Trichloroethene	<10		28	10	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50
Vinyl chloride	<5.7		14	5.7	ug/Kg	☼	10/20/14 13:27	10/23/14 14:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*75 - 120*	*10/20/14 13:27*	*10/23/14 14:53*	*50*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 125*	*10/20/14 13:27*	*10/23/14 14:53*	*50*
4-Bromofluorobenzene (Surr)	*109*		*75 - 120*	*10/20/14 13:27*	*10/23/14 14:53*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*10/20/14 13:27*	*10/23/14 14:53*	*50*

Client Sample ID: C7

Date Collected: 10/15/14 13:22
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-7
Matrix: Solid
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		57	11	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
1,1,2-Trichloroethane	<16		57	16	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
1,1-Dichloroethane	<11		57	11	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
1,1-Dichloroethene	<17		57	17	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
1,2-Dichloroethane	<16		57	16	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
Carbon tetrachloride	<15		57	15	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
Chloroethane	<25		110	25	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
Chloroform	<12		57	12	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
Chloromethane	<26		110	26	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
cis-1,2-Dichloroethene	<7.0		57	7.0	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
Methylene Chloride	<39		280	39	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
Tetrachloroethene	<9.5		57	9.5	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
trans-1,2-Dichloroethene	<14		57	14	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
Trichloroethene	<11		28	11	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50
Vinyl chloride	<5.9		14	5.9	ug/Kg	☼	10/20/14 13:29	10/23/14 15:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*75 - 120*	*10/20/14 13:29*	*10/23/14 15:17*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*10/20/14 13:29*	*10/23/14 15:17*	*50*
4-Bromofluorobenzene (Surr)	*107*		*75 - 120*	*10/20/14 13:29*	*10/23/14 15:17*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*10/20/14 13:29*	*10/23/14 15:17*	*50*

Client Sample ID: C8

Date Collected: 10/15/14 13:45
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-8
Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		55	11	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
1,1,2-Trichloroethane	<15		55	15	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
1,1-Dichloroethane	<10		55	10	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
1,1-Dichloroethene	<17		55	17	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
1,2-Dichloroethane	<16		55	16	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
Carbon tetrachloride	<14		55	14	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
Chloroethane	<24		110	24	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
Chloroform	<11		55	11	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
Chloromethane	<26		110	26	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
cis-1,2-Dichloroethene	<6.8		55	6.8	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
Methylene Chloride	<38		280	38	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
Tetrachloroethene	**76**		55	9.2	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
trans-1,2-Dichloroethene	<14		55	14	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
Trichloroethene	<10		28	10	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50
Vinyl chloride	<5.8		14	5.8	ug/Kg	☼	10/20/14 13:30	10/23/14 15:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*75 - 120*	*10/20/14 13:30*	*10/23/14 15:43*	*50*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 125*	*10/20/14 13:30*	*10/23/14 15:43*	*50*
4-Bromofluorobenzene (Surr)	*106*		*75 - 120*	*10/20/14 13:30*	*10/23/14 15:43*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*10/20/14 13:30*	*10/23/14 15:43*	*50*

Client Sample ID: C9

Lab Sample ID: 500-86210-9

Date Collected: 10/15/14 13:57
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		55	11	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
1,1,2-Trichloroethane	<15		55	15	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
1,1-Dichloroethane	<10		55	10	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
1,1-Dichloroethene	<17		55	17	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
1,2-Dichloroethane	<16		55	16	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
Carbon tetrachloride	<14		55	14	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
Chloroethane	<24		110	24	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
Chloroform	<11		55	11	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
Chloromethane	<26		110	26	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
cis-1,2-Dichloroethene	<6.8		55	6.8	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
Methylene Chloride	<38		280	38	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
Tetrachloroethene	**62**		55	9.2	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
trans-1,2-Dichloroethene	<14		55	14	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
Trichloroethene	<10		28	10	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50
Vinyl chloride	<5.7		14	5.7	ug/Kg	☼	10/20/14 13:31	10/23/14 16:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*75 - 120*	*10/20/14 13:31*	*10/23/14 16:08*	*50*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 125*	*10/20/14 13:31*	*10/23/14 16:08*	*50*
4-Bromofluorobenzene (Surr)	*107*		*75 - 120*	*10/20/14 13:31*	*10/23/14 16:08*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*10/20/14 13:31*	*10/23/14 16:08*	*50*

Client Sample ID: C10

Lab Sample ID: 500-86210-10

Date Collected: 10/15/14 14:08
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<12		58	12	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
1,1,2-Trichloroethane	<16		58	16	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
1,1-Dichloroethane	<11		58	11	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
1,1-Dichloroethene	<18		58	18	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
1,2-Dichloroethane	<16		58	16	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
Carbon tetrachloride	<15		58	15	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
Chloroethane	<25		120	25	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
Chloroform	<12		58	12	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
Chloromethane	<27		120	27	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
cis-1,2-Dichloroethene	<7.1		58	7.1	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
Methylene Chloride	<40		290	40	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
Tetrachloroethene	**42**	**J**	58	9.7	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
trans-1,2-Dichloroethene	<14		58	14	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
Trichloroethene	<11		29	11	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50
Vinyl chloride	<6.0		14	6.0	ug/Kg	☼	10/20/14 13:34	10/23/14 16:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*75 - 120*	*10/20/14 13:34*	*10/23/14 16:32*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*10/20/14 13:34*	*10/23/14 16:32*	*50*
4-Bromofluorobenzene (Surr)	*106*		*75 - 120*	*10/20/14 13:34*	*10/23/14 16:32*	*50*
Toluene-d8 (Surr)	*104*		*75 - 120*	*10/20/14 13:34*	*10/23/14 16:32*	*50*

Client Sample ID: CC-TILE

Lab Sample ID: 500-86210-11

Date Collected: 10/15/14 11:30

Matrix: Solid

Date Received: 10/16/14 10:10

Percent Solids: 96.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<44		220	44	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
1,1,2-Trichloroethane	<62		220	62	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
1,1-Dichloroethane	<41		220	41	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
1,1-Dichloroethene	<68		220	68	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
1,2-Dichloroethane	<63		220	63	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
Carbon tetrachloride	<57		220	57	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
Chloroethane	<96		440	96	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
Chloroform	<45		220	45	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
Chloromethane	<100		440	100	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
cis-1,2-Dichloroethene	<27		220	27	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
Methylene Chloride	<150		1100	150	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
Tetrachloroethene	<37		220	37	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
trans-1,2-Dichloroethene	<55		220	55	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
Trichloroethene	<41		110	41	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50
Vinyl chloride	<23		55	23	ug/Kg	☼	10/20/14 13:35	10/23/14 16:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*75 - 120*	*10/20/14 13:35*	*10/23/14 16:57*	*50*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 125*	*10/20/14 13:35*	*10/23/14 16:57*	*50*
4-Bromofluorobenzene (Surr)	*111*		*75 - 120*	*10/20/14 13:35*	*10/23/14 16:57*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*10/20/14 13:35*	*10/23/14 16:57*	*50*

Client Sample ID: SC-TILE

Lab Sample ID: 500-86210-12

Date Collected: 10/15/14 10:00

Matrix: Solid

Date Received: 10/16/14 10:10

Percent Solids: 74.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<72		360	72	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
1,1,2-Trichloroethane	<100		360	100	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
1,1-Dichloroethane	<67		360	67	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
1,1-Dichloroethene	<110		360	110	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
1,2-Dichloroethane	<100		360	100	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
Carbon tetrachloride	<93		360	93	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
Chloroethane	<160		720	160	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
Chloroform	<74		360	74	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
Chloromethane	<170		720	170	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
cis-1,2-Dichloroethene	<44		360	44	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
Methylene Chloride	<250		1800	250	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
Tetrachloroethene	<60		360	60	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
trans-1,2-Dichloroethene	<90		360	90	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
Trichloroethene	<67		180	67	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50
Vinyl chloride	<37		90	37	ug/Kg	☼	10/20/14 13:37	10/23/14 17:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*75 - 120*	*10/20/14 13:37*	*10/23/14 17:22*	*50*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 125*	*10/20/14 13:37*	*10/23/14 17:22*	*50*
4-Bromofluorobenzene (Surr)	*106*		*75 - 120*	*10/20/14 13:37*	*10/23/14 17:22*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*10/20/14 13:37*	*10/23/14 17:22*	*50*

Client Sample ID: EC-TILE

Lab Sample ID: 500-86210-13

Date Collected: 10/15/14 10:05
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<39		190	39	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
1,1,2-Trichloroethane	<54		190	54	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
1,1-Dichloroethane	<36		190	36	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
1,1-Dichloroethene	<59		190	59	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
1,2-Dichloroethane	<55		190	55	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
Carbon tetrachloride	<49		190	49	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
Chloroethane	<84		380	84	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
Chloroform	<39		190	39	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
Chloromethane	<89		380	89	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
cis-1,2-Dichloroethene	<24		190	24	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
Methylene Chloride	<130		960	130	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
Tetrachloroethene	<32		190	32	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
trans-1,2-Dichloroethene	<48		190	48	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
Trichloroethene	<36		96	36	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50
Vinyl chloride	<20		48	20	ug/Kg	☼	10/20/14 13:39	10/23/14 17:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*75 - 120*	*10/20/14 13:39*	*10/23/14 17:47*	*50*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 125*	*10/20/14 13:39*	*10/23/14 17:47*	*50*
4-Bromofluorobenzene (Surr)	*106*		*75 - 120*	*10/20/14 13:39*	*10/23/14 17:47*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*10/20/14 13:39*	*10/23/14 17:47*	*50*

Client Sample ID: R-SC

Lab Sample ID: 500-86210-14

Date Collected: 10/15/14 11:30
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 46.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<150		730	150	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
1,1,2-Trichloroethane	<200		730	200	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
1,1-Dichloroethane	<140		730	140	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
1,1-Dichloroethene	<220		730	220	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
1,2-Dichloroethane	<210		730	210	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
Carbon tetrachloride	<190		730	190	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
Chloroethane	<320		1500	320	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
Chloroform	<150		730	150	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
Chloromethane	<340		1500	340	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
cis-1,2-Dichloroethene	<90		730	90	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
Methylene Chloride	<500		3600	500	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
Tetrachloroethene	<120		730	120	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
trans-1,2-Dichloroethene	<180		730	180	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
Trichloroethene	<140		360	140	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200
Vinyl chloride	**170**	**J**	180	76	ug/Kg	☼	10/20/14 13:41	10/23/14 18:12	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*	*10/20/14 13:41*	*10/23/14 18:12*	*200*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*10/20/14 13:41*	*10/23/14 18:12*	*200*
4-Bromofluorobenzene (Surr)	*109*		*75 - 120*	*10/20/14 13:41*	*10/23/14 18:12*	*200*
Toluene-d8 (Surr)	*101*		*75 - 120*	*10/20/14 13:41*	*10/23/14 18:12*	*200*

Client Sample ID: R-EC
Date Collected: 10/15/14 11:31
Date Received: 10/16/14 10:10

Lab Sample ID: 500-86210-15
Matrix: Solid
Percent Solids: 56.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<110		540	110	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
1,1,2-Trichloroethane	<150		540	150	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
1,1-Dichloroethane	<99		540	99	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
1,1-Dichloroethene	<160		540	160	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
1,2-Dichloroethane	<150		540	150	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
Carbon tetrachloride	<140		540	140	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
Chloroethane	<230		1100	230	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
Chloroform	<110		540	110	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
Chloromethane	<250		1100	250	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
cis-1,2-Dichloroethene	<66		540	66	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
Methylene Chloride	<370		2700	370	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
Tetrachloroethene	<90		540	90	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
trans-1,2-Dichloroethene	<130		540	130	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
Trichloroethene	<100		270	100	ug/Kg		10/20/14 13:43	10/23/14 18:37	200
Vinyl chloride	<56		130	56	ug/Kg		10/20/14 13:43	10/23/14 18:37	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*75 - 120*	*10/20/14 13:43*	*10/23/14 18:37*	*200*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 125*	*10/20/14 13:43*	*10/23/14 18:37*	*200*
4-Bromofluorobenzene (Surr)	*108*		*75 - 120*	*10/20/14 13:43*	*10/23/14 18:37*	*200*
Toluene-d8 (Surr)	*102*		*75 - 120*	*10/20/14 13:43*	*10/23/14 18:37*	*200*

Qualifiers

GC/MS 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.

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)

GC/MS VOA

Prep Batch: 260067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-86210-1	C1	Total/NA	Solid	5030B	
500-86210-1 MS	C1	Total/NA	Solid	5030B	
500-86210-1 MSD	C1	Total/NA	Solid	5030B	
500-86210-2	C2	Total/NA	Solid	5030B	
500-86210-3	C3	Total/NA	Solid	5030B	
500-86210-4	C4	Total/NA	Solid	5030B	
500-86210-5	C5	Total/NA	Solid	5030B	
500-86210-6	C6	Total/NA	Solid	5030B	
500-86210-7	C7	Total/NA	Solid	5030B	
500-86210-8	C8	Total/NA	Solid	5030B	
500-86210-9	C9	Total/NA	Solid	5030B	
500-86210-10	C10	Total/NA	Solid	5030B	
500-86210-11	CC-TILE	Total/NA	Solid	5030B	
500-86210-12	SC-TILE	Total/NA	Solid	5030B	
500-86210-13	EC-TILE	Total/NA	Solid	5030B	
500-86210-14	R-SC	Total/NA	Solid	5030B	
500-86210-15	R-EC	Total/NA	Solid	5030B	
LB3 500-260067/16-A	Method Blank	Total/NA	Solid	5030B	
LCS 500-260067/17-A	Lab Control Sample	Total/NA	Solid	5030B	

Analysis Batch: 260581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-86210-1	C1	Total/NA	Solid	8260B	260067
500-86210-1 MS	C1	Total/NA	Solid	8260B	260067
500-86210-1 MSD	C1	Total/NA	Solid	8260B	260067
500-86210-2	C2	Total/NA	Solid	8260B	260067
500-86210-3	C3	Total/NA	Solid	8260B	260067
500-86210-4	C4	Total/NA	Solid	8260B	260067
500-86210-5	C5	Total/NA	Solid	8260B	260067
500-86210-6	C6	Total/NA	Solid	8260B	260067
500-86210-7	C7	Total/NA	Solid	8260B	260067
500-86210-8	C8	Total/NA	Solid	8260B	260067
500-86210-9	C9	Total/NA	Solid	8260B	260067
500-86210-10	C10	Total/NA	Solid	8260B	260067
500-86210-11	CC-TILE	Total/NA	Solid	8260B	260067
500-86210-12	SC-TILE	Total/NA	Solid	8260B	260067
500-86210-13	EC-TILE	Total/NA	Solid	8260B	260067
500-86210-14	R-SC	Total/NA	Solid	8260B	260067
500-86210-15	R-EC	Total/NA	Solid	8260B	260067
LB3 500-260067/16-A	Method Blank	Total/NA	Solid	8260B	260067
LCS 500-260067/17-A	Lab Control Sample	Total/NA	Solid	8260B	260067
LCS 500-260581/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-260581/6	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 260069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-86210-1	C1	Total/NA	Solid	Moisture	
500-86210-1 DU	C1	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 260069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-86210-2	C2	Total/NA	Solid	Moisture	
500-86210-3	C3	Total/NA	Solid	Moisture	
500-86210-4	C4	Total/NA	Solid	Moisture	
500-86210-5	C5	Total/NA	Solid	Moisture	
500-86210-6	C6	Total/NA	Solid	Moisture	
500-86210-7	C7	Total/NA	Solid	Moisture	
500-86210-8	C8	Total/NA	Solid	Moisture	
500-86210-9	C9	Total/NA	Solid	Moisture	
500-86210-10	C10	Total/NA	Solid	Moisture	
500-86210-11	CC-TILE	Total/NA	Solid	Moisture	
500-86210-12	SC-TILE	Total/NA	Solid	Moisture	
500-86210-13	EC-TILE	Total/NA	Solid	Moisture	
500-86210-14	R-SC	Total/NA	Solid	Moisture	
500-86210-15	R-EC	Total/NA	Solid	Moisture	

Surrogate Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-86210-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DBFM (75-120)	12DCE (75-125)	BFB (75-120)	TOL (75-120)
500-86210-1	C1	102	111	108	101
500-86210-1 MS	C1	106	110	102	104
500-86210-1 MSD	C1	105	111	98	104
500-86210-2	C2	102	110	106	98
500-86210-3	C3	102	110	110	96
500-86210-4	C4	99	110	109	101
500-86210-5	C5	97	107	111	103
500-86210-6	C6	101	112	109	103
500-86210-7	C7	103	110	107	98
500-86210-8	C8	101	113	106	102
500-86210-9	C9	97	112	107	98
500-86210-10	C10	97	110	106	104
500-86210-11	CC-TILE	103	114	111	100
500-86210-12	SC-TILE	103	112	106	97
500-86210-13	EC-TILE	103	117	106	98
500-86210-14	R-SC	100	110	109	101
500-86210-15	R-EC	103	117	108	102
LB3 500-260067/16-A	Method Blank	105	116	107	102
LCS 500-260067/17-A	Lab Control Sample	105	110	100	103
LCS 500-260581/4	Lab Control Sample	102	105	99	101
MB 500-260581/6	Method Blank	96	109	105	101

Surrogate Legend

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

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

Lab Sample ID: LB3 500-260067/16-A
Matrix: Solid
Analysis Batch: 260581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260067

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
1,1,2-Trichloroethane	<14		50	14	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
1,1-Dichloroethane	<9.3		50	9.3	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
1,1-Dichloroethene	<15		50	15	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
1,2-Dichloroethane	<14		50	14	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
Carbon tetrachloride	<13		50	13	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
Chloroethane	<22		100	22	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
Chloroform	<10		50	10	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
Chloromethane	<23		100	23	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
Methylene Chloride	<34		250	34	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
trans-1,2-Dichloroethene	<13		50	13	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
Trichloroethene	<9.3		25	9.3	ug/Kg		10/20/14 12:50	10/23/14 19:27	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		10/20/14 12:50	10/23/14 19:27	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*75 - 120*	*10/20/14 12:50*	*10/23/14 19:27*	*50*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 125*	*10/20/14 12:50*	*10/23/14 19:27*	*50*
4-Bromofluorobenzene (Surr)	*107*		*75 - 120*	*10/20/14 12:50*	*10/23/14 19:27*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*10/20/14 12:50*	*10/23/14 19:27*	*50*

Lab Sample ID: LCS 500-260067/17-A
Matrix: Solid
Analysis Batch: 260581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2620		ug/Kg		105	72 - 130
1,1,2-Trichloroethane	2500	2680		ug/Kg		107	75 - 120
1,1-Dichloroethane	2500	2560		ug/Kg		103	75 - 120
1,1-Dichloroethene	2500	2370		ug/Kg		95	69 - 120
1,2-Dichloroethane	2500	2780		ug/Kg		111	69 - 130
Carbon tetrachloride	2500	2580		ug/Kg		103	70 - 130
Chloroethane	2500	2160		ug/Kg		87	58 - 147
Chloroform	2500	2700		ug/Kg		108	76 - 120
Chloromethane	2500	2010		ug/Kg		80	63 - 133
cis-1,2-Dichloroethene	2500	2560		ug/Kg		102	75 - 120
Methylene Chloride	2500	2510		ug/Kg		100	73 - 130
Tetrachloroethene	2500	2590		ug/Kg		104	75 - 120
trans-1,2-Dichloroethene	2500	2540		ug/Kg		102	77 - 120
Trichloroethene	2500	2580		ug/Kg		103	75 - 120
Vinyl chloride	2500	2150		ug/Kg		86	72 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*105*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*

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

Lab Sample ID: LCS 500-260067/17-A
Matrix: Solid
Analysis Batch: 260581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260067

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: 500-86210-1 MS
Matrix: Solid
Analysis Batch: 260581

Client Sample ID: C1
Prep Type: Total/NA
Prep Batch: 260067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<11		2700	3020		ug/Kg	☼	112	72 - 130
1,1,2-Trichloroethane	<15		2700	3120		ug/Kg	☼	116	75 - 120
1,1-Dichloroethane	<10		2700	2890		ug/Kg	☼	107	75 - 120
1,1-Dichloroethene	<17		2700	2750		ug/Kg	☼	102	69 - 120
1,2-Dichloroethane	<15		2700	3020		ug/Kg	☼	112	69 - 130
Carbon tetrachloride	<14		2700	2890		ug/Kg	☼	107	70 - 130
Chloroethane	<23		2700	2660		ug/Kg	☼	99	58 - 147
Chloroform	<11		2700	3020		ug/Kg	☼	112	76 - 120
Chloromethane	<25		2700	3050		ug/Kg	☼	113	63 - 133
cis-1,2-Dichloroethene	<6.6		2700	2900		ug/Kg	☼	107	75 - 120
Methylene Chloride	<37		2700	2900		ug/Kg	☼	107	73 - 130
Tetrachloroethene	<9.0		2700	2830		ug/Kg	☼	105	75 - 120
trans-1,2-Dichloroethene	<14		2700	2900		ug/Kg	☼	107	77 - 120
Trichloroethene	<10		2700	2930		ug/Kg	☼	109	75 - 120
Vinyl chloride	<5.6		2700	3120		ug/Kg	☼	116	72 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane	*106*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: 500-86210-1 MSD
Matrix: Solid
Analysis Batch: 260581

Client Sample ID: C1
Prep Type: Total/NA
Prep Batch: 260067

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	<11		2700	2980		ug/Kg	☼	110	72 - 130	1	30
1,1,2-Trichloroethane	<15		2700	3180		ug/Kg	☼	118	75 - 120	2	30
1,1-Dichloroethane	<10		2700	2890		ug/Kg	☼	107	75 - 120	0	30
1,1-Dichloroethene	<17		2700	2770		ug/Kg	☼	103	69 - 120	1	30
1,2-Dichloroethane	<15		2700	3080		ug/Kg	☼	114	69 - 130	2	30
Carbon tetrachloride	<14		2700	2950		ug/Kg	☼	109	70 - 130	2	30
Chloroethane	<23		2700	2540		ug/Kg	☼	94	58 - 147	5	30
Chloroform	<11		2700	3040		ug/Kg	☼	113	76 - 120	1	30
Chloromethane	<25		2700	2920		ug/Kg	☼	108	63 - 133	4	30
cis-1,2-Dichloroethene	<6.6		2700	2910		ug/Kg	☼	108	75 - 120	0	30
Methylene Chloride	<37		2700	2860		ug/Kg	☼	106	73 - 130	1	30
Tetrachloroethene	<9.0		2700	2940		ug/Kg	☼	109	75 - 120	4	30
trans-1,2-Dichloroethene	<14		2700	2810		ug/Kg	☼	104	77 - 120	3	30
Trichloroethene	<10		2700	3030		ug/Kg	☼	112	75 - 120	3	30

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

Lab Sample ID: 500-86210-1 MSD
Matrix: Solid
Analysis Batch: 260581

Client Sample ID: C1
Prep Type: Total/NA
Prep Batch: 260067

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	<5.6		2700	2990		ug/Kg	☼	111	72 - 123	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane	*105*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 125*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: MB 500-260581/6
Matrix: Solid
Analysis Batch: 260581

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	<0.20		1.0	0.20	ug/Kg			10/23/14 10:43	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/Kg			10/23/14 10:43	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/Kg			10/23/14 10:43	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/Kg			10/23/14 10:43	1
1,2-Dichloroethane	<0.29		1.0	0.29	ug/Kg			10/23/14 10:43	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			10/23/14 10:43	1
Chloroethane	<0.44		2.0	0.44	ug/Kg			10/23/14 10:43	1
Chloroform	<0.21		1.0	0.21	ug/Kg			10/23/14 10:43	1
Chloromethane	<0.46		2.0	0.46	ug/Kg			10/23/14 10:43	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			10/23/14 10:43	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			10/23/14 10:43	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			10/23/14 10:43	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/Kg			10/23/14 10:43	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			10/23/14 10:43	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			10/23/14 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*75 - 120*		*10/23/14 10:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*		*10/23/14 10:43*	*1*
4-Bromofluorobenzene (Surr)	*105*		*75 - 120*		*10/23/14 10:43*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/23/14 10:43*	*1*

Lab Sample ID: LCS 500-260581/4
Matrix: Solid
Analysis Batch: 260581

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	50.0	49.0		ug/Kg		98	72 - 130
1,1,2-Trichloroethane	50.0	53.6		ug/Kg		107	75 - 120
1,1-Dichloroethane	50.0	49.7		ug/Kg		99	75 - 120
1,1-Dichloroethene	50.0	47.8		ug/Kg		96	69 - 120
1,2-Dichloroethane	50.0	52.8		ug/Kg		106	69 - 130
Carbon tetrachloride	50.0	49.6		ug/Kg		99	70 - 130
Chloroethane	50.0	42.2		ug/Kg		84	58 - 147
Chloroform	50.0	51.2		ug/Kg		102	76 - 120

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

Lab Sample ID: LCS 500-260581/4
Matrix: Solid
Analysis Batch: 260581

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	50.4		ug/Kg		101	63 - 133
cis-1,2-Dichloroethene	50.0	50.0		ug/Kg		100	75 - 120
Methylene Chloride	50.0	48.7		ug/Kg		97	73 - 130
Tetrachloroethene	50.0	50.6		ug/Kg		101	75 - 120
trans-1,2-Dichloroethene	50.0	49.7		ug/Kg		99	77 - 120
Trichloroethene	50.0	49.8		ug/Kg		100	75 - 120
Vinyl chloride	50.0	52.1		ug/Kg		104	72 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 125*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Chronicle

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-86210-1

Client Sample ID: C1

Lab Sample ID: 500-86210-1
Date Collected: 10/15/14 11:33
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:21	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 12:47	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C2

Lab Sample ID: 500-86210-2
Date Collected: 10/15/14 12:10
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:22	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 13:12	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C3

Lab Sample ID: 500-86210-3
Date Collected: 10/15/14 12:29
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:23	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 13:37	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C4

Lab Sample ID: 500-86210-4
Date Collected: 10/15/14 12:36
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 14:02	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C5

Lab Sample ID: 500-86210-5
Date Collected: 10/15/14 12:52
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:26	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 14:28	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C6

Lab Sample ID: 500-86210-6
Date Collected: 10/15/14 13:10
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:27	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 14:53	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C7

Lab Sample ID: 500-86210-7
Date Collected: 10/15/14 13:22
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:29	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 15:17	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C8

Lab Sample ID: 500-86210-8
Date Collected: 10/15/14 13:45
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 15:43	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C9

Lab Sample ID: 500-86210-9
Date Collected: 10/15/14 13:57
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:31	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 16:08	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: C10

Lab Sample ID: 500-86210-10
Date Collected: 10/15/14 14:08
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:34	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 16:32	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Lab Chronicle

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-86210-1

Client Sample ID: CC-TILE

Lab Sample ID: 500-86210-11
Date Collected: 10/15/14 11:30
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:35	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 16:57	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: SC-TILE

Lab Sample ID: 500-86210-12
Date Collected: 10/15/14 10:00
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 74.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:37	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 17:22	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: EC-TILE

Lab Sample ID: 500-86210-13
Date Collected: 10/15/14 10:05
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:39	WRE	TAL CHI
Total/NA	Analysis	8260B		50	260581	10/23/14 17:47	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: R-SC

Lab Sample ID: 500-86210-14
Date Collected: 10/15/14 11:30
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 46.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:41	WRE	TAL CHI
Total/NA	Analysis	8260B		200	260581	10/23/14 18:12	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Client Sample ID: R-EC

Lab Sample ID: 500-86210-15
Date Collected: 10/15/14 11:31
Matrix: Solid
Date Received: 10/16/14 10:10
Percent Solids: 56.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			260067	10/20/14 13:43	WRE	TAL CHI
Total/NA	Analysis	8260B		200	260581	10/23/14 18:37	BDA	TAL CHI
Total/NA	Analysis	Moisture		1	260069	10/20/14 14:24	LWN	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-86210-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-15 *

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

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-86210 COC

Chain of Custody Record

Lab Job #: 500-86210

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 3.6

(optional)

Report To
Contact: Bob Nauta
Company: RJN Env. Svc.
Address: 4631 CR A
Address: Oregon, WI 53575
Phone: 608-576-3001
Fax:
E-Mail: rjnosllc@charter.net

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: GSH
Client Project #: 10-207
Project Name: Express Cleaners
Project Location/State: Racine, WI
Lab Project #:
Sampler: Lori Huntoon
Lab PM:

Preservative: 8
Parameter: VOC

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC	Comments
1		C1	10.15.14	11:33	1	O	X	
2		C2	10.15.14	12:10	1	O	X	
3		C3	10.15.14	12:29	1	O	X	
4		C4	10.15.14	12:36	1	O	X	
5		C5	10.15.14	12:52	1	O	X	
6		C6	10.15.14	13:10	1	O	X	
7		C7	10.15.14	13:22	1	O	X	
8		C8	10.15.14	13:45	1	O	X	
9		C9	10.15.14	13:57	1	O	X	
10		C10	10.15.14	14:08	1	O	X	

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days _____Other
Requested Due Date:

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HEC	10/15/14	16:15	Sherri Scott	TA-CHI	10/16/14	1010

Lab Courier
Shipped: Fed-X
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-86210

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 3.6

(optional)

Report To
Contact: BOB NAUTA
Company: RJN ENV. SVC.
Address: 4631 CR A
Address: OREGON, WI 53575
Phone: 608-576-3001
Fax:
E-Mail: rjnesllc@charter.net

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: GSH
Client Project #: 10-203
Project Name: EXPRESS CLEANERS
Project Location/State: RACINE, WI
Lab Project #:
Sampler: LORI HUNTOON
Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOC	Parameter: PCBs							Comments
11		CL-TILE	10.15.14	11:20	1	0		X								
12		SL-TILE	10.15.14	10:00	1	0		X								
13		EL-TILE	10.15.14	10:05	1	0		X								
14		R-SC	10.15.14	11:30	1	0		X								
15		R-EL	1015.14	11:31	1	0		X								
		BALLAST	10.15.14	15:00	1	0			X							Return to client

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days _____ Other
Requested Due Date: _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HEL	10/15/14	16:15	Sherri Scott	TA-CHI	10/16/14	1010

Lab Courier:
Shipped: Fed-X
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: RJN Environmental Services LLC

Job Number: 500-86210-1

Login Number: 86210
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

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	3.6
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.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TESTAMERICA ANALYTICAL REPORT
11/19/14

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-87397-1
Client Project/Site: Express Cleaners - 10-203

For:
RJN Environmental Services LLC
4631 County Road A
Oregon, Wisconsin 53575

Attn: Robert J Nauta

Sandie Fredrick

Authorized for release by:
11/19/2014 4:26:56 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

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Job ID: 500-87397-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-87397-1

Comments
No additional comments.

Receipt
The samples were received on 11/6/2014 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC/MS VOA
Method(s) 8260B: The method blank for batch 264471 was non-detect for all target analytes. Samples associated with this method blank detected Methylene Chloride just above the reporting limit. Methylene Chloride is a known lab contaminant; therefore all low level detects for this compound should be considered lab contamination. The results have been flagged with an "CN" flag to denote the probable contamination.
BC-1 (500-87397-1), BC-2 (500-87397-2), BC-3 (500-87397-3)

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

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

Detection Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-87397-1

Client Sample ID: BC-1 — Lab Sample ID: 500-87397-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	370	cn	280	39	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: BC-2 — Lab Sample ID: 500-87397-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	370	cn	280	39	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: BC-3 — Lab Sample ID: 500-87397-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	370	cn	290	40	ug/Kg	50	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-87397-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

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 CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-87397-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-87397-1	BC-1	Solid	11/05/14 11:33	11/06/14 10:25
500-87397-2	BC-2	Solid	11/05/14 11:25	11/06/14 10:25
500-87397-3	BC-3	Solid	11/05/14 11:14	11/06/14 10:25

Client Sample ID: BC-1
Date Collected: 11/05/14 11:33
Date Received: 11/06/14 10:25

Lab Sample ID: 500-87397-1
Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		56	11	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
1,1,2-Trichloroethane	<16		56	16	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
1,1-Dichloroethane	<10		56	10	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
1,1-Dichloroethene	<17		56	17	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
1,2-Dichloroethane	<16		56	16	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
Carbon tetrachloride	<15		56	15	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
Chloroethane	<25		110	25	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
Chloroform	<12		56	12	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
Chloromethane	<26		110	26	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
cis-1,2-Dichloroethene	<6.9		56	6.9	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
Methylene Chloride	**370**	**cn**	280	39	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
Tetrachloroethene	<9.4		56	9.4	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
trans-1,2-Dichloroethene	<14		56	14	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
Trichloroethene	<10		28	10	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50
Vinyl chloride	<5.9		14	5.9	ug/Kg	☼	11/09/14 00:00	11/17/14 10:20	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*75 - 120*	*11/09/14 00:00*	*11/17/14 10:20*	*50*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 125*	*11/09/14 00:00*	*11/17/14 10:20*	*50*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*	*11/09/14 00:00*	*11/17/14 10:20*	*50*
Toluene-d8 (Surr)	*105*		*75 - 120*	*11/09/14 00:00*	*11/17/14 10:20*	*50*

Client Sample ID: BC-2
Date Collected: 11/05/14 11:25
Date Received: 11/06/14 10:25

Lab Sample ID: 500-87397-2
Matrix: Solid
Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<11		57	11	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
1,1,2-Trichloroethane	<16		57	16	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
1,1-Dichloroethane	<10		57	10	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
1,1-Dichloroethene	<17		57	17	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
1,2-Dichloroethane	<16		57	16	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
Carbon tetrachloride	<15		57	15	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
Chloroethane	<25		110	25	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
Chloroform	<12		57	12	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
Chloromethane	<26		110	26	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
cis-1,2-Dichloroethene	<7.0		57	7.0	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
Methylene Chloride	**370**	**cn**	280	39	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
Tetrachloroethene	<9.5		57	9.5	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
trans-1,2-Dichloroethene	<14		57	14	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
Trichloroethene	<11		28	11	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50
Vinyl chloride	<5.9		14	5.9	ug/Kg	☼	11/09/14 00:00	11/17/14 10:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*75 - 120*	*11/09/14 00:00*	*11/17/14 10:45*	*50*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*	*11/09/14 00:00*	*11/17/14 10:45*	*50*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*	*11/09/14 00:00*	*11/17/14 10:45*	*50*
Toluene-d8 (Surr)	*106*		*75 - 120*	*11/09/14 00:00*	*11/17/14 10:45*	*50*

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-87397-1

Client Sample ID: BC-3
Date Collected: 11/05/14 11:14
Date Received: 11/06/14 10:25

Lab Sample ID: 500-87397-3
Matrix: Solid
Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<12		59	12	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
1,1,2-Trichloroethane	<16		59	16	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
1,1-Dichloroethane	<11		59	11	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
1,1-Dichloroethene	<18		59	18	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
1,2-Dichloroethane	<17		59	17	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
Carbon tetrachloride	<15		59	15	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
Chloroethane	<26		120	26	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
Chloroform	<12		59	12	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
Chloromethane	<27		120	27	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
cis-1,2-Dichloroethene	<7.2		59	7.2	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
Methylene Chloride	**370**	**cn**	290	40	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
Tetrachloroethene	<9.8		59	9.8	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
trans-1,2-Dichloroethene	<15		59	15	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
Trichloroethene	<11		29	11	ug/Kg		11/09/14 00:00	11/17/14 11:10	50
Vinyl chloride	<6.1		15	6.1	ug/Kg		11/09/14 00:00	11/17/14 11:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*	*11/09/14 00:00*	*11/17/14 11:10*	*50*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 125*	*11/09/14 00:00*	*11/17/14 11:10*	*50*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*	*11/09/14 00:00*	*11/17/14 11:10*	*50*
Toluene-d8 (Surr)	*106*		*75 - 120*	*11/09/14 00:00*	*11/17/14 11:10*	*50*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail

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)

GC/MS VOA

Prep Batch: 263318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-87397-1	BC-1	Total/NA	Solid	5030B	
500-87397-2	BC-2	Total/NA	Solid	5030B	
500-87397-3	BC-3	Total/NA	Solid	5030B	
LB3 500-263318/18-A	Method Blank	Total/NA	Solid	5030B	
LCS 500-263318/19-A	Lab Control Sample	Total/NA	Solid	5030B	

Analysis Batch: 264471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-87397-1	BC-1	Total/NA	Solid	8260B	263318
500-87397-2	BC-2	Total/NA	Solid	8260B	263318
500-87397-3	BC-3	Total/NA	Solid	8260B	263318
LB3 500-263318/18-A	Method Blank	Total/NA	Solid	8260B	263318
LCS 500-263318/19-A	Lab Control Sample	Total/NA	Solid	8260B	263318
LCS 500-264471/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-264471/6	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 263149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-87397-1	BC-1	Total/NA	Solid	Moisture	
500-87397-2	BC-2	Total/NA	Solid	Moisture	
500-87397-3	BC-3	Total/NA	Solid	Moisture	

Surrogate Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-87397-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(75-120)	(75-125)	(75-120)	(75-120)
500-87397-1	BC-1	102	103	97	105
500-87397-2	BC-2	101	101	96	106
500-87397-3	BC-3	100	99	96	106
LB3 500-263318/18-A	Method Blank	103	100	96	106
LCS 500-263318/19-A	Lab Control Sample	101	100	99	103
LCS 500-264471/4	Lab Control Sample	100	97	98	104
MB 500-264471/6	Method Blank	101	98	99	106

Surrogate Legend

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

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

Lab Sample ID: LB3 500-263318/18-A
Matrix: Solid
Analysis Batch: 264471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 263318

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
1,1,2-Trichloroethane	<14		50	14	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
1,1-Dichloroethane	<9.3		50	9.3	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
1,1-Dichloroethene	<15		50	15	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
1,2-Dichloroethane	<14		50	14	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
Carbon tetrachloride	<13		50	13	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
Chloroethane	<22		100	22	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
Chloroform	<10		50	10	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
Chloromethane	<23		100	23	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
Methylene Chloride	<34		250	34	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
trans-1,2-Dichloroethene	<13		50	13	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
Trichloroethene	<9.3		25	9.3	ug/Kg		11/09/14 16:00	11/17/14 18:12	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		11/09/14 16:00	11/17/14 18:12	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*75 - 120*	*11/09/14 16:00*	*11/17/14 18:12*	*50*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 125*	*11/09/14 16:00*	*11/17/14 18:12*	*50*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*	*11/09/14 16:00*	*11/17/14 18:12*	*50*
Toluene-d8 (Surr)	*106*		*75 - 120*	*11/09/14 16:00*	*11/17/14 18:12*	*50*

Lab Sample ID: LCS 500-263318/19-A
Matrix: Solid
Analysis Batch: 264471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 263318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2450		ug/Kg		98	72 - 130
1,1,2-Trichloroethane	2500	2460		ug/Kg		98	75 - 120
1,1-Dichloroethane	2500	2540		ug/Kg		102	75 - 120
1,1-Dichloroethene	2500	2390		ug/Kg		96	69 - 120
1,2-Dichloroethane	2500	2460		ug/Kg		98	69 - 130
Carbon tetrachloride	2500	2460		ug/Kg		98	70 - 130
Chloroethane	2500	2540		ug/Kg		102	58 - 147
Chloroform	2500	2460		ug/Kg		99	76 - 120
Chloromethane	2500	1840		ug/Kg		74	63 - 133
cis-1,2-Dichloroethene	2500	2490		ug/Kg		99	75 - 120
Methylene Chloride	2500	2520		ug/Kg		101	73 - 130
Tetrachloroethene	2500	2560		ug/Kg		102	75 - 120
trans-1,2-Dichloroethene	2500	2490		ug/Kg		99	77 - 120
Trichloroethene	2500	2570		ug/Kg		103	75 - 120
Vinyl chloride	2500	2010		ug/Kg		80	72 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 125*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*

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

Lab Sample ID: LCS 500-263318/19-A
Matrix: Solid
Analysis Batch: 264471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 263318

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: MB 500-264471/6
Matrix: Solid
Analysis Batch: 264471

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	<0.20		1.0	0.20	ug/Kg			11/17/14 09:55	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/Kg			11/17/14 09:55	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/Kg			11/17/14 09:55	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/Kg			11/17/14 09:55	1
1,2-Dichloroethane	<0.29		1.0	0.29	ug/Kg			11/17/14 09:55	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			11/17/14 09:55	1
Chloroethane	<0.44		2.0	0.44	ug/Kg			11/17/14 09:55	1
Chloroform	<0.21		1.0	0.21	ug/Kg			11/17/14 09:55	1
Chloromethane	<0.46		2.0	0.46	ug/Kg			11/17/14 09:55	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			11/17/14 09:55	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			11/17/14 09:55	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			11/17/14 09:55	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/Kg			11/17/14 09:55	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			11/17/14 09:55	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			11/17/14 09:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*101*		*75 - 120*		*11/17/14 09:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 125*		*11/17/14 09:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*11/17/14 09:55*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*11/17/14 09:55*	*1*

Lab Sample ID: LCS 500-264471/4
Matrix: Solid
Analysis Batch: 264471

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	50.0	47.9		ug/Kg		96	72 - 130
1,1,2-Trichloroethane	50.0	48.1		ug/Kg		96	75 - 120
1,1-Dichloroethane	50.0	49.1		ug/Kg		98	75 - 120
1,1-Dichloroethene	50.0	47.3		ug/Kg		95	69 - 120
1,2-Dichloroethane	50.0	45.9		ug/Kg		92	69 - 130
Carbon tetrachloride	50.0	47.6		ug/Kg		95	70 - 130
Chloroethane	50.0	61.4		ug/Kg		123	58 - 147
Chloroform	50.0	47.5		ug/Kg		95	76 - 120
Chloromethane	50.0	49.8		ug/Kg		100	63 - 133
cis-1,2-Dichloroethene	50.0	48.8		ug/Kg		98	75 - 120
Methylene Chloride	50.0	47.9		ug/Kg		96	73 - 130
Tetrachloroethene	50.0	50.1		ug/Kg		100	75 - 120
trans-1,2-Dichloroethene	50.0	48.5		ug/Kg		97	77 - 120
Trichloroethene	50.0	50.0		ug/Kg		100	75 - 120

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

Lab Sample ID: LCS 500-264471/4
Matrix: Solid
Analysis Batch: 264471

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			50.0	49.4		ug/Kg		99	72 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 125*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Chronicle

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-87397-1

Client Sample ID: BC-1

Lab Sample ID: 500-87397-1

Date Collected: 11/05/14 11:33
Matrix: Solid
Date Received: 11/06/14 10:25
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			263316	11/09/14 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	264471	11/17/14 10:20	EMA	TAL CHI
Total/NA	Analysis	Moisture		1	263149	11/07/14 14:43	LWN	TAL CHI

Client Sample ID: BC-2

Lab Sample ID: 500-87397-2

Date Collected: 11/05/14 11:25
Matrix: Solid
Date Received: 11/06/14 10:25
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			263318	11/09/14 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	264471	11/17/14 10:45	EMA	TAL CHI
Total/NA	Analysis	Moisture		1	263149	11/07/14 14:43	LWN	TAL CHI

Client Sample ID: BC-3

Lab Sample ID: 500-87397-3

Date Collected: 11/05/14 11:14
Matrix: Solid
Date Received: 11/06/14 10:25
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			263318	11/09/14 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	264471	11/17/14 11:10	EMA	TAL CHI
Total/NA	Analysis	Moisture		1	263149	11/07/14 14:43	LWN	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: RJN Environmental Services LLC
Project/Site: Express Cleaners - 10-203

TestAmerica Job ID: 500-87397-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-15 *

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRO

2417 Bond Street, Universi
Phone: 708.534.5200 F

500-87397 COC

Chain of Custody Record

Lab Job #: 500-87397

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler:

Report To (optional)		Bill To (optional)	
Contact:	BOB NAUTA	Contact:	SAME
Company:	RJM ENV. SVC.	Company:	
Address:	4631 C.R. A	Address:	
Address:	OREGON, WI 53575	Address:	
Phone:	608.576.3001	Phone:	
Fax:		Fax:	
E-Mail:	rjnesllc@charter.net	PO#/Reference#	

Client	GSH	Client Project #	10-203
Project Name	EXPRESS CLEANERS		
Project Location/State	RACINE, WI	Lab Project #	
Sampler	LORI HUNTOON	Lab PM	

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative 8	Parameter VOCs	Comments
1		BC-1	11/5/14	11:33	1	O		X	
2		BC-2	11/5/14	11:25	1	O		X	
3		BC-3	11/5/14	11:14	1	O		X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days 7 Days 10 Days 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time
	HEC	11/5/14	12:30
Relinquished By	Company	Date	Time
Relinquished By	Company	Date	Time

Received By	Company	Date	Time
	TA	11/6/14	1025
Received By	Company	Date	Time
Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
Oil – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-87391

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

(optional) Report To		(optional) Bill To	
Contact:	BOB NAUTA	Contact:	SAME
Company:	RJN ENV. SVC.	Company:	
Address:	4631 C.R. A	Address:	
Address:	OREGON, WI 53575	Address:	
Phone:	608.576.3001	Phone:	
Fax:		Fax:	
E-Mail:	rjnesllc@charter.net	PO#/Reference#	

Client	GSH	Client Project #	10-203
Project Name	EXPRESS CLEANERS		
Project Location/State	RACINE, WI	Lab Project #	
Sampler	LORI HUNTOON	Lab PM	

Preservative: B

Parameter: VOCs

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Comments
4		BC-4	11/5/14	10:40	1	O	X
5		BC-5	11/5/14	10:49	1	O	X

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 3 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HEC	11/5/14	12:30		TA	11-6-14	1025

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
W – Wipe
DW – Drinking Water
O – Other

Client Comments
HOLD PENDING RESULTS OF OTHER SAMPLES.

Lab Comments:

Login Sample Receipt Checklist

Client: RJN Environmental Services LLC

Job Number: 500-87397-1

Login Number: 87397
List Number: 1
Creator: James, Jeff A

List Source: TestAmerica Chicago

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	