312980

SOIL VAPOR MITIGATION SYSTEM SAMPLING TRIP REPORT

SITE NAME: Sweet Kleen Laundry Site
DCN No.: RST-02-F-1107
TDD No.: TO-0013-0085

SAMPLING DATE: September 10-11, 2009

EPA SITE I.D. NO.: UQ

1. **Site Location:** 760 Kensington Avenue, Buffalo, Erie County, New York

2. **Sample Description:**

On September 11, 2009, one soil gas sample was collected from the existing soil vapor mitigation system located at the Sweet Kleen Laundry Site. The sample was submitted through EPA's Contract Laboratory Program (CLP) for volatile organic compounds analysis via EPA Method TO-15 (See Attachment 3 for a copy of the preliminary analytical data).

The soil gas sample SK-SG-001 was collected from the existing soil vapor mitigation system from September 10 to 11, 2009, using a laboratory certified-clean Summa canister with a 24-hour passive flow controller and pressure regulator (Canister ID Number 000403 and Regulator ID Number 000594). RST 2 opened the air sampling valve of the Summa canister at 0815 hours on September 10, 2009. On September 11, 2009, air sampling was terminated at 0815 hours. Turn-around times of two weeks for verbal and three weeks for written analytical data was requested by the OSC.

3. **Laboratories Receiving Samples:**

Sample Matrix	Analyses	Laboratory
Soil Gas	Volatile Organic Compounds via EPA Method TO-15	Atmospheric Analysis & Consulting, Inc. 1534 Eastman Avenue, Suite A Ventura, CA 93003 (805) 650-1642

4. **Sample Dispatch Data:**

The soil gas sample collected from the existing soil vapor mitigation system was submitted to the laboratory via FedEx on September 11, 2009 (Refer to Attachment 2 for the Chain of Custody Record and FedEx Airbill).

5. **On-Site Personnel:**

Name	Representing	Duties On-Site
Kevin Matheis	US EPA	On-Scene Coordinator
Sayed Iqbal	Region II RST 2	Site Project Manager, Site QA/QC, Sample Collection and Sample Management

6. **Preliminary Analytical Data:**

The following data table includes only volatile organic compounds detected above the Practical Quantitation Limit (PQL). The complete preliminary analytical data table can be found in Attachment 3.

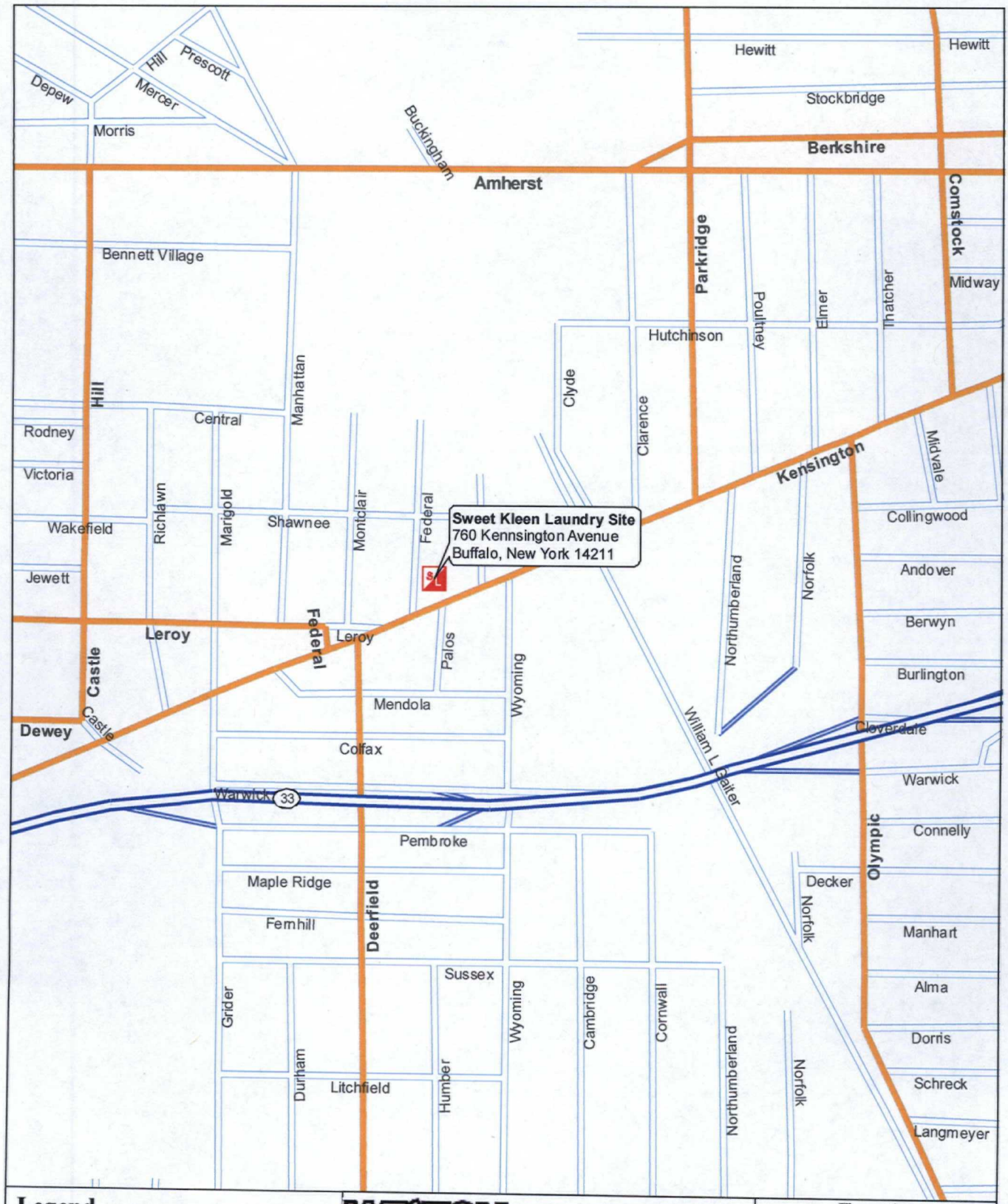
Analyte	Result	Units
Dichlorodifluoromethane	2.1	$\mu g/m^3$
Chloromethane	1.0	$\mu g/m^3$
Methanol	15.2	$\mu g/m^3$
Acetone	18.5	$\mu g/m^3$
trans-1,2-Dichloroethylene	3.3	$\mu g/m^3$
2-Butanone (MEK)	9.4	$\mu g/m^3$
cis-1,2-Dichloroethene	339.0	$\mu g/m^3$
Hexane	1.7	$\mu g/m^3$
Tetrahydrofuran	19.2	$\mu g/m^3$
Trichloroethene	100.0	$\mu g/m^3$
Toluene	3.5	$\mu g/m^3$
Tetrachloroethylene	167.0	$\mu g/m^3$
1,4-Dichlorobenzene	5.5	$\mu g/m^3$

7. **Report prepared by:** _____ 9/29/09
Sayed Iqbal — Date
RST 2 Site Project Manager

8. **Report reviewed by:** _____ 9/29/09
John Brennan — Date
RST 2 Group Leader

ATTACHMENT I

Figure 1: Site Location Map



Legend

Site Location

N

0 0.04 0.08 0.16 0.24 0.32 Miles

Weston Solutions, Inc.

In Association With
Innovative Technical Solutions, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 1:
Site Location Map

SWEET KLEAN LAUNDRY SITE
BUFFALO, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 08/22/2007

GIS ANALYST:	F. CAMPBELL
EPA OSC:	K. MATHEIS
RST SPM:	S. JOBAL
FILENAME:	SWEET KLEAN LAUNDRY.MXD

ATTACHMENT 2

Copy of Traffic Report/Sample Chain of Custody
Copy of FedEx Airbill

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 90017
DAS No:
SDG No:
L

Date Shipped:	9/11/2009
Carrier Name:	FedEx
Airbill:	8665 6257 8237
Shipped to:	Atmospheric Analysis & Consulting, Inc. 1534 Eastman Avenue, Suite A Ventura CA 93003 (805) 650-1642

Chain of Custody Record

Sampler Signature: [signature]

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	9/11/09 : 1800	FedEx	9/11/09 1800
2				
3				
4				

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B5NM5	Soil Gas/ Sayed Iqbal	L/C	TO-15 (21)	545 (1)	SK-SG-001	S: 9/11/2009 8:15		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): [signature]	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

TO-15 = VOCs via EPA Method TO-15

TR Number: 2-200338754-091109-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

FedEx Express — **US Airbill**

FedEx Tracking Number: 8665 6257 8237

0200 — **Sender's Copy**

From *Please print and press hard*

Date: 9/11/09 — Sender's FedEx Account Number: SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name: SAYED IQBAL — Phone: (908) 565-2989

Company: Weston Solutions, Inc.

Address: 1090 King Georges Post Rd. — Dept./Floor/Suite/Room

City: Edison — State: NJ — ZIP: 08837

Your Internal Billing Reference (First 24 characters will appear on invoice.): 20401.115 OPTIONAL 3.3082

To

Recipient's Name: Marcus Hueppe — Phone: (805) 650-1642

Company: Atmospheric Analysis & Consulting, Inc.

Recipient's Address: 1534 Eastman Ave. — We cannot deliver to P.O. boxes or P.O. ZIP codes. — Dept./Floor/Suite/Room

Address: Suite A — To request a package be held at a specific FedEx location, print FedEx address here.

City: Ventura — State: CA — ZIP: 93003

4a Express Package Service — *Packages up to 150 lbs.*

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate. — * To most locations.

4b Express Freight Service — *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ____ — ** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — NOT Available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? (One box must be checked.)

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. — [ ] Cargo Aircraft Only

7 Payment *Bill to:* — Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No.: 402 356 103 — Exp. Date

Total Packages	Total Weight	Total Declared Value†
		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options — If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

520

Ship and track packages at fedex.com
Simplify your shipping. Manage your account. Access all the tools you need.

Rev. Date 10/06 Part #152261 ©1994-2006 FedEx PRINTED IN U.S.A. SRY

RETAIN THIS COPY FOR YOUR RECORDS.

ATTACHMENT 3

Preliminary Analytical Data

CHEMICAL_NAME	RESULT_VALUE	DECTECT_FLAG	LAB_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	DETECTION_LIMIT_UNIT
CHLORODIFLUOROMETHANE	<SRL	N	U	0.88	1.50	ugm3	ugm3
PROPYLENE	<SRL	N	U	0.43	0.70	ugm3	ugm3
DICHLORODIFLUOROMETHANE	2.1	Y		1.05	1.80	ugm3	ugm3
CHLOROMETHANE	1.0	Y		0.52	0.90	ugm3	ugm3
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	<SRL	N	U	1.75	3.00	ugm3	ugm3
VINYL CHLORIDE	<SRL	N	U	0.64	1.10	ugm3	ugm3
METHANOL	15.2	Y		6.55	11.20	ugm3	ugm3
1,3-BUTADIENE	<SRL	N	U	0.55	0.90	ugm3	ugm3
BROMOMETHANE	<SRL	N	U	0.97	1.70	ugm3	ugm3
CHLOROETHANE	<SRL	N	U	0.66	1.10	ugm3	ugm3
DICHLOROFLUOROMETHANE	<SRL	N	U	1.05	1.80	ugm3	ugm3
ETHANOL	<SRL	N	U	1.88	3.20	ugm3	ugm3
VINYL BROMIDE	<SRL	N	U	1.09	1.90	ugm3	ugm3
ACETONE	18.5	Y		2.38	4.10	ugm3	ugm3
TRICHLOROFLUOROMETHANE	<SRL	N	U	1.30	2.20	ugm3	ugm3
ISOPROPYL ALCOHOL	<SRL	N	U	2.46	4.20	ugm3	ugm3
ACRYLONITRILE	<SRL	N	U	2.17	3.70	ugm3	ugm3
1,1-DICHLOROETHYLENE	<SRL	N	U	0.98	1.70	ugm3	ugm3
METHYLENE CHLORIDE	<SRL	N	U	1.74	3.00	ugm3	ugm3
ALLYL CHLORIDE	<SRL	N	U	0.78	1.30	ugm3	ugm3
CARBON DISULFIDE	<SRL	N	U	0.78	1.30	ugm3	ugm3
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	<SRL	N	U	1.92	3.30	ugm3	ugm3
TRANS-1,2-DICHLOROETHYLENE	3.3	Y		0.99	1.70	ugm3	ugm3
1,1-DICHLOROETHANE	<SRL	N	U	1.00	1.70	ugm3	ugm3
MTBE	<SRL	N	U	0.90	1.50	ugm3	ugm3
VINYL ACETATE	<SRL	N	U	0.88	1.50	ugm3	ugm3
2-BUTANONE (MEK)	9.4	Y		0.74	1.30	ugm3	ugm3
CIS-1,2-DICHLOROETHENE	339.0	Y		0.98	3.40	ugm3	ugm3
HEXANE	1.7	Y		0.88	1.50	ugm3	ugm3
CHLOROFORM	<SRL	N	U	1.22	2.10	ugm3	ugm3
ETHYL ACETATE	<SRL	N	U	0.90	1.50	ugm3	ugm3
TETRAHYDROFURAN	19.2	Y		0.74	1.30	ugm3	ugm3
1,2-DICHLOROETHANE	<SRL	N	U	1.00	1.70	ugm3	ugm3
1,1,1-TRICHLOROETHANE	<SRL	N	U	1.37	2.30	ugm3	ugm3
BENZENE	<SRL	N	U	0.80	1.40	ugm3	ugm3
CARBON TETRACHLORIDE	<SRL	N	U	1.57	2.70	ugm3	ugm3
CYCLOHEXANE	<SRL	N	U	0.86	1.50	ugm3	ugm3
1,2-DICHLOROPROPANE	<SRL	N	U	1.16	2.00	ugm3	ugm3
BROMODICHLOROMETHANE	<SRL	N	U	1.68	2.90	ugm3	ugm3
1,4-DIOXANE	<SRL	N	U	0.90	1.50	ugm3	ugm3
TRICHLOROETHENE	100.0	Y		1.34	2.30	ugm3	ugm3
2,2,4-TRIMETHYLPENTANE	<SRL	N	U	1.17	2.00	ugm3	ugm3
HEPTANE	<SRL	N	U	1.02	1.80	ugm3	ugm3
CIS-1,3-DICHLOROPROPENE	<SRL	N	U	1.11	1.90	ugm3	ugm3
4-METHYL-2-PENTANONE (MIBK)	<SRL	N	U	1.02	1.80	ugm3	ugm3
TRANS-1,3-DICHLOROPROPENE	<SRL	N	U	1.11	1.90	ugm3	ugm3
1,1,2-TRICHLOROETHANE	<SRL	N	U	1.36	2.30	ugm3	ugm3
TOLUENE	3.5	Y		0.94	1.60	ugm3	ugm3
2-HEXANONE	<SRL	N	U	1.02	1.80	ugm3	ugm3
DIBROMOCHLOROMETHANE	<SRL	N	U	2.13	3.60	ugm3	ugm3
1,2-DIBROMOETHANE	<SRL	N	U	1.89	3.20	ugm3	ugm3
TETRACHLOROETHYLENE	167.0	Y		1.70	2.90	ugm3	ugm3
CHLOROBENZENE	<SRL	N	U	1.15	2.00	ugm3	ugm3
ETHYLBENZENE	<SRL	N	U	1.08	1.90	ugm3	ugm3
M- & P-XYLENES	<SRL	N	U	2.17	3.70	ugm3	ugm3
BROMOFORM	<SRL	N	U	2.58	4.40	ugm3	ugm3
STYRENE	<SRL	N	U	1.06	1.80	ugm3	ugm3
1,1,2,2-TETRACHLOROETHANE	<SRL	N	U	1.72	2.90	ugm3	ugm3
O-XYLENE	<SRL	N	U	1.08	1.90	ugm3	ugm3
4-ETHYLTOLUENE	<SRL	N	U	1.23	2.10	ugm3	ugm3
1,3,5-TRIMETHYLBENZENE	<SRL	N	U	1.23	2.10	ugm3	ugm3
1,2,4-TRIMETHYLBENZENE	<SRL	N	U	1.23	2.10	ugm3	ugm3
BENZYL CHLORIDE	<SRL	N	U	1.29	2.20	ugm3	ugm3
1,3-DICHLOROBENZENE	<SRL	N	U	1.50	2.60	ugm3	ugm3
1,4-DICHLOROBENZENE	5.5	Y		1.50	2.60	ugm3	ugm3
1,2-DICHLOROBENZENE	<SRL	N	U	1.50	2.60	ugm3	ugm3
1,2,4-TRICHLOROBENZENE	<SRL	N	U	1.86	3.20	ugm3	ugm3
HEXACHLOROBUTADIENE	<SRL	N	U	2.67	4.60	ugm3	ugm3