Fourth Quarter/Annual Monitoring Report

Attachment A Laboratory Analytical Data

SC Holdings, Inc.
c/o Waste Management, Inc.
Kin-Buc Landfill
Operable Units 1 and 2
Edison, New Jersey

February 2004

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

568513

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A03-9900,A03-9904,A03-9905,A03-9978,A03-9997,A03-9998,A03-A007,A03-A032,A03-A033

STL Project#: NY0A8575.2
SDG#: 1003G2
Site Name: Kin-Buc Landfill
Task: Kin-Buc Monitoring Plan - Groundwater

Kathy Romaine
BB&L
8 South River Road
Cranbury, NJ 08512

STL Buffalo

Amy Lynn Haag
Project Manager

11/13/2003

ANALYTICAL DATA PACKAGE FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY TRENTON, NEW JERSEY 08625

DIVISION: Waste Management
CASE NAME: Kin-Buc Landfill

BUREAU: N/A
CASE #: N/A

Note: This is a two-sided form. Data Qualifiers are on the reverse side.

FIELD SAMPLE NUMBERS	LABORATORY SAMPLE NUMBERS	SAMPLE LOCATION	DATE and TIME OF COLLECTION
FB101303	A3990005	Kin-Buc Landfill	10/13/2003 08:15
FB101403	A3997804	Kin-Buc Landfill	10/14/2003 07:45
FB101503	A3A00706	Kin-Buc Landfill	10/15/2003 08:00
GEI-10G	A3A00701	Kin-Buc Landfill	10/15/2003 12:22
GEI-3G	A3990001	Kin-Buc Landfill	10/13/2003 11:50
GEI-5G	A3990002	Kin-Buc Landfill	10/13/2003 13:28
GEI-6G	A3997801	Kin-Buc Landfill	10/14/2003 09:28
GEI-6S	A3997802	Kin-Buc Landfill	10/14/2003 14:21
TB101303	A3990006	Kin-Buc Landfill	10/13/2003
TB101403	A3997805	Kin-Buc Landfill	10/14/2003
TB101503	A3A00707	Kin-Buc Landfill	10/15/2003
W-5R	A3997803	Kin-Buc Landfill	10/14/2003 11:54
WE-10R	A3A00702	Kin-Buc Landfill	10/15/2003 13:26
WE-10S	A3A03302	Kin-Buc Landfill	10/15/2003 14:16
WE-5R	A3999703	Kin-Buc Landfill	10/14/2003 11:54
WE-5S	A3990003	Kin-Buc Landfill	10/13/2003 14:06
WE-6R	A3990004	Kin-Buc Landfill	10/13/2003 10:15
WE-7R	A3A00704	Kin-Buc Landfill	10/15/2003 09:42
WE-7S	A3A00705	Kin-Buc Landfill	10/15/2003 10:35

LABORATORY NAME: STL Buffalo
NJDEPE CERTIFICATION No: 73455

LOCATION: Buffalo, NY
DATE SUBMITTED: 11/13/2003

Verl D. Preston
LABORATORY QA OFFICER

LABORATORY QA OFFICER (SIGNATURE)

Christopher Spencer
LABORATORY MANAGER

LABORATORY MANAGER (SIGNATURE)

NJDEPE FORM A-1A (9/91)

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arizona	SDWA, CWA, RCRA	AZ0525
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon	NELAP,SDWA, CWA, RCRA	NY200001
Pennsylvania	NELAP, SDWA, CWA, Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	2970
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390
Wyoming UST	UST	NA

CHAIN OF CUSTODY DOCUMENTATION

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client: Waste Management	Project Manager: Carl Januszkiewicz	Date: 10/13/03	Chain of Custody Number: 136522
Address: 383 Meadow Road	Telephone Number (Area Code)/Fax Number: 732-985-4757 / 732-985-4759	Lab Number:	Page 1 of 1
City: Edison / State: NJ / Zip Code: 08817	Site Contact: Kathy Romaine	Lab Contact: Mark Nemec	
Project Name and Location (State): Kin-Buc Landfill; Edison, NJ	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: PP VOA	TOC	RSK	PP BNA	PP PCBs	TOX (1)	Phenols	COD	BOD	Ammonia	Cl, TDS, Nitrate	TCN	Dmetals	Special Instructions/ Conditions of Receipt
WE-6R	10/13/03	1015		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
GEI-3G	10/13/03	1150		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
GEI-5G	10/13/03	1328		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
WE-5S	10/13/03	1406		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
FB101303	10/13/03	0815		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
TB101303	10/13/03	—		X						4			X													

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other ____

QC Requirements (Specify):

1. Relinquished By: Asuf Suele	Date: 10/13/03	Time: 1800	1. Received By: SR	Date: 10/14/03	Time: 0930
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 4020c

5/1028

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client: Waste Management	Project Manager: Carl Januszkiewicz	Date: 10/14/03	Chain of Custody Number: 136523
Address: 383 Meadow Road	Telephone Number (Area Code)/Fax Number: 732-985-4757 / 732-985-4759	Lab Number:	Page 1 of 1
City: Edison / State: NJ / Zip Code: 08817	Site Contact: Kathy Romaine	Lab Contact: Mark Nemec	
Project Name and Location (State): Kin-Buc Landfill, Edison, NJ	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	PP VOAs	TOC	KSK	PP BNA	PP PIPCBs	TOX (1)	TPHENOLS	COD	BOD	AMMONIA	TCN	CL, TDS, METALS	D. METALS MS/MSD	Special Instructions/ Conditions of Receipt
GEI-6G	10/14/03	0928		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	CCT
WE-5R	10/14/03	1154		X			18	15	6	24	3		X	X	X	X	X	X	X	X	X	X	X	X	X	
GEI-6S	10/14/03	1421		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
FB101403	10/14/03	0745		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
TB101403	10/14/03	—		X						4			X													

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other ____

QC Requirements (Specify):

1. Relinquished By: Dwight Steele	Date: 10/14/03	Time: 1730	1. Received By: Mark M. Nagy STL-Buffalo	Date: 10/15/03	Time: 10:00
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 4@3.0°C

DISTRIBUTION: White Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

6/1028

[redacted]

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Waste Management	Project Manager: Carl Januszkiewicz	Date: 10/15/03	Chain of Custody Number: 136526
Address: 383 Meadow Road	Telephone Number (Area Code)/Fax Number: 732-985-4757 / 732-985-4759	Lab Number:	Page 1 of 1
City: Edison; State: NJ; Zip Code: 08817	Site Contact: Kathy Romaine; Lab Contact: Mark Nemec		
Project Name and Location (State): Kin-Buc Landfill, Edison, NJ	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	PP VOA	RSK	TOC	PP BNA	PP P/PCBs	TOX (1)	TP HENOLS	BOD	COD	AMMONIA	CL, TDS, NITRATE	TCN	D-METALS	Special Instructions/ Conditions of Receipt
WE-7R	10/15/03	0942		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
WE-7S	10/15/03	1035		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
GEI-10G	10/15/03	1222		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
WE-10R	10/15/03	1326		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
WE-10S	10/15/03	1416		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
FB101503	10/15/03	0800		X			6	5	2	8	1		X	X	X	X	X	X	X	X	X	X	X	X	X	
TB101503	10/15/03	—		X						5			X													

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Casey Fowle	10/15/03	1700	1. Received By: [signature] STL	10/16/03	1000
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

5826²

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

7/1028

Field Data

9/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: GEI-36
Sample ID

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 13 03	1110	00:36	58	32	05

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)
Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)
Purging Device: C
Sampling Device: C
A- Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle
Filter Type: A
A-In-line Disposable B-Pressure C-Vacuum X-Other ____
X-Other:
Sample Tube Type: A
A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1673 (ft/msl)	14.78 (ft)	11.95 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
13.62 (ft)	____ (ft)	4 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	mL/min							
1113	350 1st	6.62 1st	1130 1st	16.3	12.1	1.1	-106.9	14.8
1116	350 2nd	6.53 2nd	961 2nd	16.8	9.4	0.4	-111.3	14.8
1119	350 3rd	6.52 3rd	908 3rd	16.7	7.1	0.3	-113.4	14.8
1122	350 4th	6.46 4th	868 4th	16.7	5.5	0.2	-114.3	14.8
1125	350	6.43	822	16.6	4.3	0.2	-114.9	14.8
1128	350	6.43	797	16.5	3.7	0.2	-115.2	14.8
1131	350	6.40	773	16.5	3.2	0.2	-115.3	14.8
1134	350	6.39	755	16.4	2.9	0.2	-115.3	14.8
1137	350	6.37	760	16.6	3.4	0.2	-115.0	14.8
1140	350	6.37	722	16.6	2.4	0.2	-115.3	14.8
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10 13 03	6.36	711	16.5	2.3	0.2	+115.8	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: Slight Color: Colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW/7mph Outlook: clear/sunny Precipitation: Y or (N)

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required):

Continued on next Sheet – page 1 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

10/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: GEI-36 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/13/03	1110	00:36	58	32	05

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N — (0.45 µ) or _____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other)

X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)	Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
1673 (ft/msl)	478 (ft)	1195 (ft/msl)	1362 (ft)	(ft)	4 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	mL/min										
1143	350	1st	6.36	1st	722	1st	16.6	31	02	+153	48
1146	350	2nd	6.36	2nd	711	2nd	16.5	23	02	+158	48
		3rd		3rd		3rd					
		4th		4th		4th					
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10/13/03	6.36	711	16.5	23	02	+158	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: _____ Odor: Slight Color: Colorless Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW / 7mph Outlook: Clear / sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

Continued from previous sheet - page 2 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

11/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: GEI-56 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/13/03	1239	0045	37	32	09

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N, 0.45 µ or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

X-Other: ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1608 (ft/msl)	910 (ft)	698 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
1471 (ft)	____ (ft)	4 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1242	250	6.43 (1st)	1403 (1st)	1.89	1220	1.2	-633	9.1
1245	250	6.34 (2nd)	1220 (2nd)	1.63	815	0.6	-581	9.7
1248	250	6.34 (3rd)	1122 (3rd)	1.60	589	0.4	-687	9.8
1251	250	6.34 (4th)	1082 (4th)	1.58	432	0.4	-799	9.8
1254	250	6.34	1027	1.57	313	0.3	-900	9.8
1257	250	6.34	1001	1.57	217	0.3	-951	9.8
1300	250	6.34	910	1.56	165	0.3	-998	9.9
1303	250	6.35	872	1.56	137	0.3	-1017	9.9
1306	250	6.34	924	1.56	130	0.2	-1032	9.9
1309	250	6.34	1561	1.56	100	0.2	-1050	9.9
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	-	-	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10/13/03	6.34	1455	1.61	76	0.2	-1989	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: moderate Color: Colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW/7mph Outlook: Clear/sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Continued on next sheet - page 1 of 2

* do not have top of inner casing elevations, So groundwater elevations are approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: GEII-567 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 13 03	1239	00:45	37	32	09

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

X-Other:

Sample Tube Type: A

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1608 (ft/msl)	910 (ft)	698 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
1471 (ft)	____ (ft)	4 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

	Sample Time (2400 Hr Clock)	Rate/Unit: mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1st	1312	250	6.34	1512	15.6	10.0	0.2	+106.2	9.9
2nd	1315	250	6.34	1507	15.6	~~cor~~ 9.2	0.2	+107.1	9.9
3rd	1318	250	6.34	1470	15.8	8.0	0.2	+107.7	9.9
4th	1321	250	6.34	1456	16.3	8.0	0.2	+108.9	9.9
	1324	250	6.34	1455	16.1	7.6	0.2	+108.9	9.9
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10 13 03	6.34	1455	16.1	7.6	0.2	+108.9	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: moderate Color: Colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW/7mph Outlook: clear/sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

continued from previous sheet - page 2 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance ~~with applicable~~ EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10.13.03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

13/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: WET-5S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 13 03	1326	00:33	21	29	14

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N — (0.45 µ) or _____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other)

X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
150.4 (ft/msl)	12.79 (ft)	2.25 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
25.97 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: mL/min		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25°C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1329	330	1st	6.69	1st	3520	1st	16.4	67.7	0.5	+135	12.8
1332	330	2nd	6.48	2nd	3030	2nd	15.5	14.6	0.2	+256	13.0
1335	330	3rd	6.42	3rd	2770	3rd	15.4	8.6	0.2	+315	13.1
1338	330	4th	6.43	4th	2720	4th	15.4	5.9	0.2	+348	13.1
1341	330		6.43		2730		18.9	4.5	0.2	+372	13.1
1344	330		6.45		2380		18.7	3.9	0.2	+399	13.1
1347	330		6.46		2040		18.9	4.0	0.2	+408	13.1
1350	330		6.46		1980		18.9	3.3	0.2	+417	13.1
1353	330		6.46		1860		13.4	3.1	0.2	+424	13.1
1356	330		6.46		1853		13.4	3.2	0.2	+435	13.2
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10 13 03	6.46	1886	13.5	3.0	0.2	+144	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: _____ Odor: moderate Color: Colorless Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW / 7mph Outlook: Clear/Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Continued on next sheet - page 1 of 2

*do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.: ____

Sample Point: WE-5S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
101303	1326	00:33	21	29	1H

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Purging Device: C

Sampling Device: C

X-Other: ____

A- Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle

Filter Device: (Y) or N — (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A (A-In-line Disposable; B-Pressure; C-Vacuum; X-Other ____)

Sample Tube Type: A (A-Teflon; B-Stainless Steel; C-PVC; D-Polypropylene; X-Other: ____)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1504 (ft/msl)	1279 (ft)	225 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
2597 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1359	330	1st 6.46	1886	13.5	30	0.2	+144.4	13.2
		2nd						
		3rd						
		4th						
Suggested range for 3 consec. readings or Note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
101303	6.46	1886	13.5	30	0.2	+144.4	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: moderate Color: Colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW/1mph Outlook: clear/sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Continued from previous sheet - page 2 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign)

Date	Name	Signature	Company
10,13,03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

14/1028

15/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: WE-16R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 13 03	09:28	00:42	48	21	04

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)
Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)
Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____)
X-Other:
Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
19.62 (ft/msl)	17.28 (ft)	2.34 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
46.92 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0931	200 1st	6.49 1st	5800 1st	12.7	8.3	2.8	-80.9	17.5
0934	200 2nd	6.47 2nd	5490 2nd	12.4	4.0	2.3	-78.4	17.7
0937	200 3rd	6.43 3rd	6190 3rd	12.1	2.7	1.8	-77.9	17.7
0940	200 4th	6.43 4th	6120 4th	12.0	1.8	1.6	-78.2	17.7
0943	200	6.43	6060	12.0	1.6	1.4	-79.1	17.7
0946	200	6.43	5980	12.0	1.3	1.3	-80.0	17.7
0949	200	6.43	5910	12.0	1.1	0.8	-81.5	17.7
0952	200	6.43	5850	12.0	1.4	0.6	-83.9	17.7
0955	200	6.43	5810	12.0	1.2	0.5	-85.5	17.7
0958	200	6.43	5770	12.0	1.2	0.4	-87.6	17.7
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10 13 03	6.44	5630	12.1	1.2	0.3	-93.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: Slight Color: colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW 7mph Outlook: clear/sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

continued on next sheet - page 1 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

16/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.: ____ Sample Point: WE-6R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/13/03	09:28	00:42	48	21	04

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C
Sampling Device: C
X-Other: ____

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)	Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
19.62 (ft/msl)	17.28 (ft)	2.34 (ft/msl)	46.92 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit ml/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1001	200 1st	6.43 1st	5730 1st	12.0	1.3	0.4	+89.1	17.7
1004	200 2nd	6.43 2nd	5690 2nd	12.0	1.3	0.4	-90.6	17.7
1007	200 3rd	6.44 3rd	5660 3rd	12.0	1.3	0.3	-91.8	17.7
1010	200 4th	6.44 4th	5630 4th	12.1	1.2	0.3	-93.0	17.7
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10/13/03	6.44	5630	12.1	1.2	0.3	+93.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: Slight Color: Colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW/7mph Outlook: clear/sunny Precipitation: Y or (N)

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required):

Continued from previous sheet – page 2 of 2

*do not have top of inner casing elevations, so groundwater elevations are approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/13/03	Casey C Twele	Casey C Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

17/1028

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: GEI-16G (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 14 03	0829	0057	21	15	07

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Purging Device: C

Sampling Device: C

X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: (Y) or N — 0.45 µ or ____ µ (circle or fill in)

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1976 (ft/msl)	1154 (ft)	822 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
1481 (ft)	____ (ft)	4 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0832	96 1st	7.02 1st	6900	11.5	46.8	1.7	-77.0	11.9
0835	96 2nd	7.04 2nd	5700	13.3	42.8	0.9	-72.9	12.0
0838	96 3rd	7.04 3rd	5550	13.5	42.0	0.8	-72.1	12.0
0841	96 4th	7.02 4th	5500	13.6	41.4	0.7	-76.9	12.3
0844	96	6.98	5350	14.1	40.8	0.6	-84.4	12.3
0847	96	6.98	5300	14.0	36.4	0.6	-89.4	12.3
0850	96	6.96	5220	13.7	33.8	0.6	-94.7	12.4
0853	96	6.94	4990	13.7	30.7	0.5	-100.2	12.4
0856	96	6.92	4980	13.7	30.4	0.5	-103.7	12.5
0859	96	6.92	4960	13.5	26.8	0.5	-105.2	12.5
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10 14 03	6.87	4470	13.3	13.2	0.3	-123.1	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: Slight Color: Yellow-green Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 15 mph Outlook: Partly Sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

Continued on next sheet - page 1 of 2

I do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10,14,03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

18/1028

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: GEI-16G (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 14 03	0829	0057	21	15	07

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)
Filter Device: (Y) or N — 0.45 µ or ____ µ (circle or fill in)
Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Sampling Device: C
Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other
X-Other:
Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl)	Depth to Water (DTW) (from TOC) (ft)	Groundwater Elevation (site datum, from TOC) (ft/msl)
1976	1154	822

Total Well Depth (from TOC) (ft)	Stick Up (from ground elevation) (ft)	Casing ID (in)	Casing Material
1481		4	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0902	96 ml/min	6.90 1st	4890 1st	13.3	240	0.5	+109 ccr	12.5
0905	96 2nd	6.90 2nd	4820 2nd	13.2	212	0.4	+111.5	12.5
0908	96 3rd	6.88 3rd	4780 3rd	13.2	195	0.4	+113.6	12.6
0911	96 4th	6.88 4th	4800 4th	13.1	170	0.3	+115.7	12.6
0914	96	6.87	4700	13.1	186	0.3	+118.0	12.6
0917	96	6.87	4610	13.2	144	0.3	+119.8	12.6
0920	96	6.87	4500	13.3	135	0.3	+120.7	12.6
0923	96	6.87	4440	13.3	133	0.3	+121.6	12.6
0926	96	6.87	4470	13.3	132	0.3	+123.1	12.7
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10 14 03	6.87	4470	13.3	132	0.3	+123.1	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: Slight Color: yellow-green Other: ____
Weather Conditions (required daily, or as conditions change): Direction/Speed: ~15mph Outlook: partly sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Continued from previous sheet - page 2 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10,14,03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

19/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: GEI-16S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 14 03	1344	00:34	4.1	13	03

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N — 0.45 µ or ____ µ (circle or fill in)

Purging Device: B
Sampling Device: B
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

X-Other: ____

Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
20.99 (ft/msl)	18.10 (ft)	2.89 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
43.55 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1348	150 1st	6.70 1st	2660 1st	23.1	35.7	1.5	+138	18.1
1351	150 2nd	6.56 2nd	2830 2nd	19.9	29.7	0.9	-152	18.5
1354	150 3rd	6.52 3rd	2560 3rd	19.8	24.7	0.6	-166	18.5
1357	150 4th	6.52 4th	2580 4th	19.9	22.7	0.6	-166	18.5
1400	150	6.50	2590	19.9	19.9	0.6	-169	18.6
1403	150	6.50	2530	19.7	15.8	0.5	-172	18.6
1406	150	6.49	2510	19.5	15.6	0.5	-173	18.6
1409	150	6.49	2240	19.5	15.3	0.4	-173	18.6
1412	150	6.49	2340	19.3	15.2	0.4	-170	18.7
1415	150	6.47	2300	19.7	15.0	0.4	-167	18.7
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10 14 03	6.47	2300	14.6	15.2	0.4	+158	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: Slight Color: Colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 15mph Outlook: partly sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

Continued on next sheet - page 1 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10,14,03	Casey C Twele	Casey C Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

20/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: GEII-6S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/14/03	1314	00:34	41	13	03

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: [Y] or [N]
Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)
Purging Device: B
Sampling Device: B
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: A
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other
X-Other:
Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
2099 (ft/msl)	1810 (ft)	289 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
4355 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1418	150 mL/min	6.47	2300	14.6	152	0.4	+1158	187
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10/14/03	6.47	2300	14.6	152	0.4	+1158	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance:
Odor: slight
Color: Colorless
Other:
Weather Conditions (required daily, or as conditions change):
Direction/Speed: E 15mph
Outlook: partly sunny
Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Continued from previous sheet - page 2 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/14/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

21/1028

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: WE-5R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 14 03	1114	00:33	60	34	06

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)
Filter Device: (Y) or N — 0.45 µ or ____ µ (circle or fill in)
Purging Device: C
Sampling Device: C
X-Other:
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____)
Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1531 (ft/msl)	1294 (ft)	237 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
4963 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1117	400 1st	7.24 1st	4730 1st	20.8	2020	2.0	-368	133
1120	400 2nd	6.83 2nd	4550 2nd	15.3	1400	1.0	-360	133
1123	400 3rd	6.53 3rd	4400 3rd	14.3	948	0.6	-245	133
1126	400 4th	6.33 4th	4130 4th	14.0	594	0.4	-195	133
1129	400	6.29	4080	13.9	521	0.3	-191	134
1132	400	6.29	4030	13.8	404	0.3	-197	133
1135	400	6.29	3980	13.8	400	0.3	-227	134
1138	400	6.30	3950	13.8	350	0.2	-275	134
1141	400	6.31	3950	13.9	286	0.2	-326	134
1144	400	6.31	3910	13.8	280	0.2	-350	134
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10 14 03	6.33	3940	13.8	272	0.2	-365	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: Slight Color: Colorless Other: ____
Weather Conditions (required daily, or as conditions change): Direction/Speed: E 15mph Outlook: partly sunny Precipitation: Y or (N)

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required):

Continued on next sheet - page 1 of 2

* do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State and WM protocols (if more than one sample, all should sign):

Date	Name	Signature	Company
10/14/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: WE-5R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/14/03	1114	00:33	60	34	06

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: [Y] or [N]

Purging Device: C

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other:

Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1531 (ft/msl)	1294 (ft)	237 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
4963 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1147	400 mL/min	6.33	3940	13.8	27.2	0.2	-365	13.4
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10/14/03	6.33	3940	13.8	27.2	0.2	-365	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance:

Odor: Slight Color: Colorless Other:

Weather Conditions (required daily, or as conditions change):

Direction/Speed: E 15mph Outlook: partly sunny Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Continued on previous sheet - page 2 of 2

*do not have top of inner casing elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10,14,03	Casey C. Iwele	Casey C. Iwele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.: ____ Sample Point: GEI-106 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 15 03	1137	00:43	8.6	22	03

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: [Y] or [N]

Purging Device: C — Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other: ____

Filter Device: [Y] or [N] — [0.45 µ] or [____] µ (circle or fill in)

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
13.65 (ft/msl)	11.20 (ft)	12.45 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
14.40 (ft)	____ (ft)	4 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1141	200 1st	6.70 1st	2640 1st	15.8	92.1	1.7	-96.5	13
1144	200 2nd	6.62 2nd	1660 2nd	15.2	67.8	1.0	-94.2	13
1147	200 3rd	6.62 3rd	1524 3rd	15.3	58.2	0.7	-98.4	13
1150	200 4th	6.60 4th	1420 4th	16.2	52.1	0.7	-100.5	13
1153	200	6.58	1318	15.9	45.2	0.6	-101.7	13
1156	200	6.58	1256	16.1	39.9	0.5	-102.6	13
1159	200	6.58	1175	16.4	40.2	0.4	-103.2	13
1202	200	6.58	1030	15.7	31.8	0.3	-105.3	13
1205	200	6.58	998	15.7	29.3	0.3	-105.9	13
1208	200	6.56	963	15.5	27.0	0.3	-107.4	13
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10 15 03	6.56	840	14.4	25.2	0.2	-110.7	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: Slight Color: Colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/3 mph Outlook: partly sunny Precipitation (Y) or N

Specific Comments (including purge/well volume calculations if required):

Continued on next sheet - page 1 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/15/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: GEI - 1067 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 15 03	11:37	00:43	8.16	22	03

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: [Y] or [N]

Filter Device: [Y] or [N] 0.45 µ or [ ] µ (circle or fill in)

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
13.65 (ft/msl)	1.20 (ft)	12.45 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
14 (ft)	(ft)	4 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
12:11	200	1st	6.56	1st	918	1st	15.0	267	0.2	+108.0	1.3
12:14	200	2nd	6.56	2nd	853	2nd	14.6	260	0.2	+109.2	1.3
12:17	200	3rd	6.56	3rd	843	3rd	14.4	254	0.2	+110.1	1.3
12:20	200	4th	6.56	4th	840	4th	14.4	252	0.2	+110.7	1.3
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10 15 03	6.56	840	14.4	252	0.2	+110.7	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: Slight Color: Colorless Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/30mph Outlook: partly sunny Precipitation: [Y] or [N]

Specific Comments (including purge/well volume calculations if required):

Continued from previous sheet - Page 2 of 2

*do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10.15.03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: WE-10R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/15/03	1236	00:40	49	12	02

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: [Y] or (N)
Filter Device: (Y) or [N] (0.45 µ) or [ ] µ (circle or fill in)
Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)
X-Other:
Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
139.6 (ft/msl)	11.45 (ft)	25.1 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
41.78 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit ml/min		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
12:40	100	1st	6.32	1st	4230	1st	15.4	17.4	2.9	-55.2	12.7
12:43	100	2nd	6.24	2nd	4550	2nd	14.2	8.8	1.4	-54.2	12.9
12:46	100	3rd	6.26	3rd	4680	3rd	13.9	13.3	0.9	-60.0	13.0
12:49	100	4th	6.34	4th	4810	4th	13.6	6.2	0.6	-70.1	13.1
12:52	100		6.38		4860		13.6	5.0	0.6	-75.3	13.2
12:55	100		6.46		4920		13.8	4.4	0.5	-81.7	13.2
12:58	100		6.52		4990		13.7	4.0	0.4	-85.9	13.2
13:01	100		6.55		5040		14.0	4.3	0.4	-88.3	13.2
13:04	100		6.57		5040		14.0	3.7	0.4	-88.9	13.3
13:07	100		6.57		5040		13.7	3.9	0.3	-88.6	13.3
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10/15/03	6.60	5000	13.7	4.1	0.2	+91.7	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Odor: slight Color: colorless Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/30mph Outlook: partly sunny Precipitation: (Y) or N

Specific Comments (including purge/well volume calculations if required):

continued on next sheet - page 1 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/15/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: WE-10R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/15/03	1236	00:46	49	12	02

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: [Y] or [N]
Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)
Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: A
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other
X-Other:
Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
139.6 (ft/msl)	11.45 (ft)	25.11 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
41.78 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit		pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1310	100	mL/min 1st	6.59	5050	13.5	40	0.3	-89.2	13.3
1313	100	2nd	6.59	5060	15.0	40	0.3	-89.8	13.2
1316	100	3rd	6.60	5000	14.5	40	0.2	-90.8	13.2
1319	100	4th	6.60	5010	14.3	40	0.2	-91.4	13.2
1322	100		6.60	5000	13.7	4.1	0.2	-91.7	13.2
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10/15/03	6.60	5000	13.7	4.1	0.2	-91.7	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: Odor: Slight Color: colorless Other:
Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/10mph Outlook: partly sunny Precipitation: [Y] or [N]
Specific Comments (including purge/well volume calculations if required):

Continued from previous sheet - page 2 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10,15,03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: MW-10S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/15/03	1336	00:35	33	24	07

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N, (0.45) or ____ µ (circle or fill in)

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)	Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
14.99 (ft/msl)	12.17 (ft)	2.82 (ft/msl)	32.27 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1341	257 1st	7.00 1st	4630 1st	15.1	453	2.2	+78.2	1.23
1344	257 2nd	6.84 2nd	4470 2nd	13.8	489	1.2	-69.1	1.23
1347	257 3rd	6.52 3rd	4120 3rd	13.4	189	0.5	-73.3	1.23
1350	257 4th	6.44 4th	3990 4th	13.0	113	0.3	-73.3	1.23
1353	257	6.42	3950	13.5	95	0.3	-74.9	1.23
1356	257	6.42	4020	13.1	81	0.2	-76.1	1.23
1359	257	6.41	4060	13.1	78	0.2	-77.3	1.24
1402	257	6.41	4060	13.1	65	0.2	-78.2	1.24
1405	257	6.41	4110	13.0	62	0.2	-79.7	1.24
1408	257	6.41	4100	13.0	64	0.2	-80.3	1.24
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10/15/03	6.41	4080	13.0	64	0.2	+8.09	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: Slight Color: Colorless Other: Cloudy

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW 30 mph Outlook: partly sunny Precipitation: (Y) or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

Continued on next sheet - page 1 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10,15,03	Casey C. Iwele	Casey C. Iwele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: WE-10S
Sample ID

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 15 03	1336	00:35	33	24	07

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)
Filter Device: (Y) or N (0.45 µ) or _____ µ (circle or fill in)
Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
Filter Type: A
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____
X-Other:
Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC) (ft/msl)	Depth to Water (DTW) (from TOC) (ft)	Groundwater Elevation (site datum, from TOC) (ft/msl)
1499	1217	282

Total Well Depth (from TOC) (ft)	Stick Up (from ground elevation) (ft)	Casing ID (in)	Casing Material
3227		2	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1411	257	6.41	4080	13.0	64	0.2	-80.9	12.4
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
10 15 03	6.41	4080	13.0	64	0.2	-80.9	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: _____ Odor: slight Color: colorless Other: cloudy
Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/30mph Outlook: partly sunny Precipitation (Y) or N
Specific Comments (including purge/well volume calculations if required):

continued from previous sheet - page 2 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10.15.03	Casey O'Neale	Casey O'Neale	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: WE-7R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 15 03	0836	00:39	97	13	01

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Purging Device: C

Sampling Device: C

X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: (Y) or N — (0.45 µ) or _____ µ (circle or fill in)

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:)

WELL DATA

Well Elevation (at TOC): 1593 (ft/msl)

Depth to Water (DTW) (from TOC): 1393 (ft)

Groundwater Elevation (site datum, from TOC): 200 (ft/msl)

Total Well Depth (from TOC): 7329 (ft)

Stick Up (from ground elevation): _____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0839	128 1st	5.69 1st	3520 1st	12.7	2150	2.1	245	146
0842	128 2nd	6.68 2nd	4120 2nd	11.6	2010	1.3	T 49	151
0845	128 3rd	6.92 3rd	4200 3rd	11.7	1810	1.2	-259	161
0848	128 4th	7.02 4th	4240 4th	11.7	1560	1.0	-389	164
0851	128	7.10	4240	11.6	1340	1.0	-450	167
0854	128	7.14	4220	11.4	1180	0.9	-506	170
0857	128	7.20	4170	11.4	977	0.9	-533	175
0900	128	7.23	4120	11.3	828	0.9	-561	181
0903	128	7.26	4080	11.3	764	0.9	-573	188
0906	128	7.28	4010	11.9	659	0.9	-588	190
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10 15 03	7.29	3930	11.4	598	1.0	-594	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: _____ Odor: odorless Color: orange Other: turbid

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/30mph Outlook: partly sunny Precipitation (Y) or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

Continued on next sheet - page 1 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/15/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill
Site No.:
Sample Point: MW-7R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 15 03	0836	00:39	97	13	a

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)
Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)
Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)
Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____)

WELL DATA

Well Elevation (at TOC): 1593 (ft/msl)
Depth to Water (DTW) (from TOC): 1393 (ft)
Groundwater Elevation (site datum, from TOC): 200 (ft/msl)
Total Well Depth (from TOC): 7329 (ft)
Stick Up (from ground elevation): ____ (ft)
Casing ID: 2 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:09	128 mL/min	1st	7.28	1st	4000		1.25	62.1	1.0	-59.1	193
09:12	128	2nd	7.29	2nd	3970		1.44	60.5	1.0	-60.0	194
09:15	128	3rd	7.29	3rd	3930		1.44	59.8	1.0	-59.4	195
		4th		4th							
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10 15 03	7.29	3930	1.44	59.8	1.0	-59.4	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: ____ Odor: odorless Color: orange Other: turbid

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW 30mph Outlook: partly sunny Precipitation: (Y) or N

Specific Comments (including purge/well volume calculations if required):

Continued from previous sheet - page 2 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/15/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.: ____ Sample Point: WE-7S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: ____

PURGE INFO.

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 15 03	0935	00:58	24	32	1.3

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N or (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: ____

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
1586 (ft/msl)	1508 (ft)	078 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
3009 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit mL/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:45	200 1st	6.80 1st	3250	16.0	19.10	34	+91.8	14.1
09:48	200 2nd	6.63 2nd	3460	18.9	10.25	29	+103.7	14.1
09:51	200 3rd	6.57 3rd	3640	15.7	5.10	09	+123.6	14.1
09:54	200 4th	6.57 4th	3680	15.9	3.74	07	+128.6	14.0
09:57	200	6.57	3700	15.7	2.18	06	+132.1	14.0
10:00	200	6.57	3720	15.6	2.48	06	+134.0	13.9
10:03	200	6.56	3720	15.5	1.83	04	+136.1	13.9
10:06	200	6.56	3740	15.4	1.58	04	+137.9	13.9
10:09	200	6.56	3740	15.2	1.16	03	+140.0	13.8
10:12	200	6.56	3740	15.0	1.06	02	+142.1	13.8
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10 15 03	6.57	3750	14.5	0.63	0.1	-148.7	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: Slight Color: yellow Other: turbid

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/30mph Outlook: partly sunny Precipitation: (Y) or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

Continued on next sheet - page 1 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10.15.03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: Kin-Buc Landfill

Site No.:

Sample Point: WE-7S (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/15/03	09:35	00:58	24	32	3

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or (N)

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A (A-In-line Disposable, B-Pressure, C-Vacuum, X-Other)

Sample Tube Type: A (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:)

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
158.6 (ft/msl)	15.08 (ft)	0.78 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
30.09 (ft)	____ (ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:15	200 mL/min 1st	6.56 1st	3740 1st	14.9	7.8	0.2	-144.2	13.8
10:18	200 2nd	6.57 2nd	3740 2nd	14.7	9.4	0.1	-146.0	13.7
10:21	200 3rd	6.57 3rd	3800 3rd	15.2	8.0	0.2	-148.1	13.6
10:24	200 4th	6.57 4th	3790 4th	15.2	6.7	0.2	-147.8	13.6
10:27	200	6.57	3750	14.8	6.7	0.2	-147.8	13.6
10:30	200	6.57	3700	14.6	6.5	0.1	-148.1	13.5
10:33	200	6.57	3750	14.5	6.3	0.1	-148.7	13.5
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
10/15/03	6.57	3750	14.5	6.3	0.1	-148.7	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: slight Color: yellow Other: turbid

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW/30mph Outlook: partly sunny Precipitation: (Y) or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

Continued from previous sheet - page 2 of 2

* do not have top of inner casing well elevation, so groundwater elevation is approximate

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/15/03	Casey C. Twele	Casey C. Twele	BBL

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

METHODS SUMMARY

Job#: A03-9900,A03-9904,A03-9905,A03-9978,A03-9997,A03-9998,A03-A007,A03-A032,A03-A033

STL Project#: NY0A8575.2
SDG#: 1003G2
Site Name: Kin-Buc Landfill

PARAMETER	ANALYTICAL METHOD
METHOD 624 - PRIORITY POLLUTANT VOLATILES	CFR136 624
** SUB - METHANE, ETHENE, ETHANE	OTHER RSK175
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES	CFR136 625
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS	CFR136 608 P/PCB
Antimony - Soluble	CFR136 200.7
Arsenic - Soluble	CFR136 200.7
Barium - Soluble	CFR136 200.7
Beryllium - Soluble	CFR136 200.7
Cadmium - Soluble	CFR136 200.7
Lead - Soluble	CFR136 200.7
Manganese - Soluble	CFR136 200.7
Mercury - Soluble	CFR136 245.1
Nickel - Soluble	CFR136 200.7
Vanadium - Soluble	CFR136 200.7
Zinc - Soluble	CFR136 200.7
Biochemical Oxygen Demand	CFR136 405.1
Chemical Oxygen Demand	CFR136 410.4
Chloride	CFR136 325.2
Cyanide - Total	CFR136 335.3
Nitrogen, Nitrate	CFR136 353.2
Total Dissolved Solids	CFR136 160.1
Total Organic Carbon	CFR136 415.1
Total Organic Halides (Tox)	SW8463 9020
Total Recoverable Phenolics	CFR136 420.2

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

OTHER Non-Standard Protocol and Method Defined by State, Client QAPP or Developed by Laboratory

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

LABORATORY CHRONICLE

Job No: A03-9900
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No:
No. Samps: 6

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 402.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/13/2003 08:15	10/14/2003 09:30	FB101303	A3990005	Good	1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/13/2003	10/14/2003 09:30	TB101303	A3990006	Good	4-40mlV	PP VOAS	RECNY	0103	<2

Sample Custodian: [redacted] 10/14/2003

Analytical Services Coordinator: _____ /20

35/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-9978
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No:
No. Samps: 5

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4 @ 3.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/14/2003 09:28	10/15/2003 10:00	GEI-6G	A3997801	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-8ozP	D-METALS	RECNY	1001	<2
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					1-8ozP	T CN	RECNY	0105	>12
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 14:21	10/15/2003 10:00	GEI-6S	A3997802	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-8ozP	D-METALS	RECNY	1001	<2
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					1-8ozP	T CN	RECNY	0105	>12
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 11:54	10/15/2003 10:00	W-5R	A3997803	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-8ozP	D-METALS	RECNY	1001	<2
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					1-8ozP	T CN	RECNY	0105	>12
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 11:54	10/15/2003 10:00	W-5R	A3997803MS	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-8ozP	D-METALS	RECNY	1001	<2
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfa
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeO
09=MCAA (Mono chloroacetic acid)

Job No: A03-9978
Client: Waste Management - Closed Sites
Project: NY0A8575.2
SDG:
Case:
SMO No:
No. Samps: 5

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4 @ 3.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/14/2003 11:54	10/15/2003 10:00	W-5R	A3997803MS	Good	1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					1-8ozP	T CN	RECNY	0105	>12
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 11:54	10/15/2003 10:00	W-5R	A3997803SD	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-8ozP	D-METALS	RECNY	1001	<2
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					1-8ozP	T CN	RECNY	0105	>12
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 07:45	10/15/2003 10:00	FB101403	A3997804	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-8ozP	D-METALS	RECNY	1001	<2
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					1-8ozP	T CN	RECNY	0105	>12
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003	10/15/2003 10:00	TB101403	A3997805	Good	4-40mlV	PP VOAS	RECNY	0103	<2

Sample Custodian: [signature] 10/15/2003

Analytical Services Coordinator: _____ / /20

37/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-A007
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No:
No. Samps: 7

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 5 @ 2.6°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/15/2003 12:22	10/16/2003 10:00	GEI-10G	A3A00701	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					1-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/15/2003 13:26	10/16/2003 10:00	WE-10R	A3A00702	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/15/2003 14:16	10/16/2003 10:00	WE-10S	A3A00703	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/15/2003 09:42	10/16/2003 10:00	WE-7R	A3A00704	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					1-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/15/2003 10:35	10/16/2003 10:00	WE-7S	A3A00705	Good	2-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-A007
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No:
No. Samps: 7

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 5 @ 2.6°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/15/2003 10:35	10/16/2003 10:00	WE-7S	A3A00705	Good	1-4ozP	COD	RECNY	0102	<2
					1-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/15/2003 08:00	10/16/2003 10:00	FB101503	A3A00706	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/15/2003	10/16/2003 10:00	TB101503	A3A00707	Good	5-40mlV	PP VOAS	RECNY	0103	<2

ample Custodian: [signature] 10 / 16 /2003

Analytical Services Coordinator: _____ / /20

39/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-A033
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG: 1003G2
Case:
SMO No: 035
No. Samps: 6

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 5 @ 2.6°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/15/2003 12:22	10/16/2003 10:00	GEI-10G	A3A03301	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/15/2003 13:26	10/16/2003 10:00	WE-10R	A3A03302	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/15/2003 14:16	10/16/2003 10:00	WE-10S	A3A03303	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/15/2003 09:42	10/16/2003 10:00	WE-7R	A3A03304	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/15/2003 10:35	10/16/2003 10:00	WE-7S	A3A03305	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/15/2003 08:00	10/16/2003 10:00	FB101503	A3A03306	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12

ample Custodian: [signature] 10/16/2003

Analytical Services Coordinator: _____ 1/20

40/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-9997
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No: 027
No. Samps: 4

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4 @ 3.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/14/2003 09:28	10/15/2003 10:00	GEI-6G	A3999701	Good	3-40mlV	RSK	STLVT	0103	<2
10/14/2003 14:21	10/15/2003 10:00	GEI-6S	A3999702	Good	3-40mlV	RSK	STLVT	0103	<2
10/14/2003 11:54	10/15/2003 10:00	WE-5R	A3999703	Good	3-40mlV	RSK	STLVT	0103	<2
10/14/2003 07:45	10/15/2003 10:00	FB101403	A3999704	Good	3-40mlV	RSK	STLVT	0103	<2

ample Custodian: [signature] 10/16/2003

Analytical Services Coordinator: _____ / /20

41/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

STL Buffalo
Sample Inventory

Job No: A03-A032
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No: 034
No. Samps: 6

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 5 @ 2.6°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/15/2003 12:22	10/16/2003 10:00	GEI-10G	A3A03201	Good	3-40mlV	RSK	STLVT	0103	<2
10/15/2003 13:26	10/16/2003 10:00	WE-10R	A3A03202	Good	3-40mlV	RSK	STLVT	0103	<2
10/15/2003 14:16	10/16/2003 10:00	WE-10S	A3A03203	Good	3-40mlV	RSK	STLVT	0103	<2
10/15/2003 09:42	10/16/2003 10:00	WE-7R	A3A03204	Good	3-40mlV	RSK	STLVT	0103	<2
10/15/2003 10:35	10/16/2003 10:00	WE-7S	A3A03205	Good	3-40mlV	RSK	STLVT	0103	<2
10/15/2003 08:00	10/16/2003 10:00	FB101503	A3A03206	Good	2-40mlV	RSK	STLVT	0103	<2

ample Custodian: DM 10/16/2003

Analytical Services Coordinator: _____ / /20

42/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
nd Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfat
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeO
09=MCAA (Mono chloroacetic acid)

Job No: A03-A000
Client: Waste Management - Closed Sites
Project: NY0A8575.2
SDG:
Case:
SMO No: 030
No. Samps: 5

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4@2.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/14/2003 13:35	10/15/2003 10:00	SW-01	A3A00001	Good	3-40mlV	RSK	STLVT	0103	<2
10/14/2003 13:10	10/15/2003 10:00	SW-02	A3A00002	Good	3-40mlV	RSK	STLVT	0103	<2
10/14/2003 12:40	10/15/2003 10:00	SW-03	A3A00003	Good	3-40mlV	RSK	STLVT	0103	<2
10/14/2003 12:00	10/15/2003 10:00	SW-04	A3A00004	Good	3-40mlV	RSK	STLVT	0103	<2
10/14/2003 09:00	10/15/2003 10:00	FBSW101403	A3A00005	Good	3-40mlV	RSK	STLVT	0103	<2

ample Custodian: [signature] 10/16/2003

Analytical Services Coordinator: _____ / /20

43/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-9998
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No: 028
No. Samps: 4

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4 @ 3.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/14/2003 09:28	10/15/2003 10:00	GEI-6G	A3999801	Good	1-8ozP	D METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/14/2003 14:21	10/15/2003 10:00	GEI-6S	A3999802	Good	1-8ozP	D METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/14/2003 11:54	10/15/2003 10:00	WE-5R	A3999803	Good	1-8ozP	D METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/14/2003 07:45	10/15/2003 10:00	FB101403	A3999804	Good	1-8ozP	D METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12

mple Custodian: [signature] 10/16/2003

Analytical Services Coordinator: _____ /20

44/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-9904
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No: 014
No. Samps: 5

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4@2.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/13/2003 11:50	10/14/2003 09:30	GEI-3G	A3990401	Good	3-40mlV	RSK	STLVT	0103	<2
10/13/2003 13:28	10/14/2003 09:30	GEI-5G	A3990402	Good	3-40mlV	RSK	STLVT	0103	<2
10/13/2003 14:06	10/14/2003 09:30	WE-5S	A3990403	Good	3-40mlV	RSK	STLVT	0103	<2
10/13/2003 10:15	10/14/2003 09:30	WE-6R	A3990404	Good	3-40mlV	RSK	STLVT	0103	<2
10/13/2003 08:15	10/14/2003 09:30	FB101303	A3990405	Good	3-40mlV	RSK	STLVT	0103	<2

Sample Custodian: 10/14/2003

Analytical Services Coordinator: _____ / /20

45/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-9905
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No: 015
No. Samps: 5

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4@2.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/13/2003 11:50	10/14/2003 09:30	GEI-3G	A3990501	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/13/2003 13:28	10/14/2003 09:30	GEI-5G	A3990502	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/13/2003 14:06	10/14/2003 09:30	WE-5S	A3990503	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/13/2003 10:15	10/14/2003 09:30	WE-6R	A3990504	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/13/2003 08:15	10/14/2003 09:30	FB101303	A3990505	Good	1-8ozP	D METALS	STLCT	1001	<2
					1-8ozP	T CN	STLCT	0105	>12

ample Custodian: [signature] 10/14/20[illegible]

Analytical Services Coordinator: _____ /20

46/1028

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfa
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=Me
09=MCAA (Mono chloroacetic acid)

NON-CONFORMANCE SUMMARY

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A3990005	FB101303	10/13/2003	08:15	10/14/2003	09:30
A3990405	FB101303	10/13/2003	08:15	10/14/2003	09:30
A3990505	FB101303	10/13/2003	08:15	10/14/2003	09:30
A3997804	FB101403	10/14/2003	07:45	10/15/2003	10:00
A3999704	FB101403	10/14/2003	07:45	10/15/2003	10:00
A3999804	FB101403	10/14/2003	07:45	10/15/2003	10:00
A3A00706	FB101503	10/15/2003	08:00	10/16/2003	10:00
A3A03206	FB101503	10/15/2003	08:00	10/16/2003	10:00
A3A03306	FB101503	10/15/2003	08:00	10/16/2003	10:00
A3A00701	GEI-10G	10/15/2003	12:22	10/16/2003	10:00
A3A03201	GEI-10G	10/15/2003	12:22	10/16/2003	10:00
A3A03301	GEI-10G	10/15/2003	12:22	10/16/2003	10:00
A3990001	GEI-3G	10/13/2003	11:50	10/14/2003	09:30
A3990401	GEI-3G	10/13/2003	11:50	10/14/2003	09:30
A3990501	GEI-3G	10/13/2003	11:50	10/14/2003	09:30
A3990002	GEI-5G	10/13/2003	13:28	10/14/2003	09:30
A3990402	GEI-5G	10/13/2003	13:28	10/14/2003	09:30
A3990502	GEI-5G	10/13/2003	13:28	10/14/2003	09:30
A3997801	GEI-6G	10/14/2003	09:28	10/15/2003	10:00
A3999701	GEI-6G	10/14/2003	09:28	10/15/2003	10:00
A3999801	GEI-6G	10/14/2003	09:28	10/15/2003	10:00
A3997802	GEI-6S	10/14/2003	14:21	10/15/2003	10:00
A3999702	GEI-6S	10/14/2003	14:21	10/15/2003	10:00
A3999802	GEI-6S	10/14/2003	14:21	10/15/2003	10:00
A3990006	TB101303	10/13/2003		10/14/2003	09:30
A3997805	TB101403	10/14/2003		10/15/2003	10:00
A3A00707	TB101503	10/15/2003		10/16/2003	10:00
A3997803	W-5R	10/14/2003	11:54	10/15/2003	10:00
A3997803MS	W-5R	10/14/2003	11:54	10/15/2003	10:00
A3997803SD	W-5R	10/14/2003	11:54	10/15/2003	10:00
A3A00702	WE-10R	10/15/2003	13:26	10/16/2003	10:00
A3A03202	WE-10R	10/15/2003	13:26	10/16/2003	10:00
A3A03302	WE-10R	10/15/2003	13:26	10/16/2003	10:00
A3A00703	WE-10S	10/15/2003	14:16	10/16/2003	10:00
A3A03203	WE-10S	10/15/2003	14:16	10/16/2003	10:00
A3A03303	WE-10S	10/15/2003	14:16	10/16/2003	10:00
A3999703	WE-5R	10/14/2003	11:54	10/15/2003	10:00
A3999803	WE-5R	10/14/2003	11:54	10/15/2003	10:00
A3999703MS	WE-5R MS	10/14/2003	11:54	10/15/2003	10:00
A3999803MS	WE-5R MS	10/14/2003	11:54	10/15/2003	10:00
A3999703SD	WE-5R SD	10/14/2003	11:54	10/15/2003	10:00
A3999803SD	WE-5R SD	10/14/2003	11:54	10/15/2003	10:00
A3990003	WE-5S	10/13/2003	14:06	10/14/2003	09:30
A3990403	WE-5S	10/13/2003	14:06	10/14/2003	09:30
A3990503	WE-5S	10/13/2003	14:06	10/14/2003	09:30
A3990004	WE-6R	10/13/2003	10:15	10/14/2003	09:30
A3990404	WE-6R	10/13/2003	10:15	10/14/2003	09:30
A3990504	WE-6R	10/13/2003	10:15	10/14/2003	09:30
A3A00704	WE-7R	10/15/2003	09:42	10/16/2003	10:00
A3A03204	WE-7R	10/15/2003	09:42	10/16/2003	10:00

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A3A03304	WE-7R	10/15/2003	09:42	10/16/2003	10:00
A3A00705	WE-7S	10/15/2003	10:35	10/16/2003	10:00
A3A03205	WE-7S	10/15/2003	10:35	10/16/2003	10:00
A3A03305	WE-7S	10/15/2003	10:35	10/16/2003	10:00

NON-CONFORMANCE SUMMARY

Job#: A03-9900,A03-9904,A03-9905,A03-9978,A03-9997,A03-9998,A03-A007,A03-A032,A03-A033

STL Project#: NY0A8575.2
SDG#: 1003G2
Site Name: Kin-Buc Landfill

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A03-9900
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.
A03-9904
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.
A03-9905
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.
A03-9978
Sample Cooler(s) were received at the following temperature(s); 4 @ 3.0 °C
All samples were received in good condition.
A03-9997
Sample Cooler(s) were received at the following temperature(s); 4 @ 3.0 °C
All samples were received in good condition.
A03-9998
Sample Cooler(s) were received at the following temperature(s); 4 @ 3.0 °C
All samples were received in good condition.

A03-A007

Sample Cooler(s) were received at the following temperature(s); 5 @ 2.6 °C
Three sample bottles were received broken for sample WE-7S for TOC and VOA analyses by Methods 415.1 and 624. Sufficient volume remained to complete the analyses.

One sample bottle was received broken for sample GEI-10G for TOC analysis by Method 415.1. Sufficient volume remained to complete the analysis.

One sample bottle was received broken for sample WE-7R for TOX analysis by Method 9020. Sufficient volume remained to complete the analysis.

A03-A032

Sample Cooler(s) were received at the following temperature(s); 5 @ 2.6 °C
One sample bottle was received broken for sample WE-7S for RSK analysis. Sufficient volume remained to complete the analysis.

A03-A033

Sample Cooler(s) were received at the following temperature(s); 5 @ 2.6 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte 2-chloroethyl vinyl ether had a recovery of 0% in the Matrix Spike and Matrix Spike Duplicate of sample W-5R. This analyte cannot be reliably quantitated in acid preserved samples, therefore, the reporting limit for the analyte 2-chloroethyl vinyl ether is neither reliable or defensible.

Volatile samples WE-5S, GEI-3G and GEI-6S exhibited a pH greater than 2 at the time of analysis. The analysis was performed within 7 days of sampling, therefore there is no impact on data useability. All other samples were preserved to a PH less than 2.

The matrix spike and matrix spike duplicate of sample W-5R exhibited the %RPD of Chloroethane and Chloromethane as above quality control limits.

GC Volatile Data

Ethane, Ethene and Methane were subcontracted to STL Burlington. All data is included in this report as Appendix A.

GC/MS Semivolatile Data

Linear regression was used to calibrate compounds that were greater than 35% RSD in initial calibration A3I0001355 and A3I0001358.

The recoveries of 1,2,4-Trichlorobenzene, Hexachlorobutadiene, and Hexachloroethane fell below method defined quality limits in the Matrix Spike Blank A3B1182601. However, the recoveries were within laboratory derived historically calculted limits and the data was determined to be acceptable by the STL Buffalo Quality Manager.

GC Extractable Data

For method 608 several samples required dilution prior to analysis due to high concentrations of non-target analytes. The surrogates were diluted out of samples GEI5G, WE5S, WE6R due to the dilution of the extracts. Samples GEI3G, GEI5G, WE5S, WE6R were all treated with copper to minimize elemental sulfur interferences.

For method 608, the recovery of surrogate Tetrachloro-meta-xylene is elevated and outside control limits for samples GEI6G and GEI6S due to heavy chromatographic matrix interferences.

For method 608, the recovery of methoxychlor, and the relative percent difference for Aldrin for sample W-5R Matrix Spike and the Matrix Spike duplicate, the Matrix Spike Blank recoveries are compliant, no action required.

For method 608 Pesticide/PCBs, samples GEI6G and GEI6S are diluted by a factor of 5x and 4x respectively due to high levels of non-target analytes and heavy matrix effects. The extracts for these samples were treated with copper to minimize the chromatagraphic interferences of elemental sulfur.

For method 608, the recovery of surrogate Decachlorobiphenyl in samples WE-10R and A3B1188801 is outside of established quality control limits. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

For method 608, the Matrix Spike Blank (A3B1188802) recovery for methoxychlor is elevated and above quality control limits. This target analyte is non-detect in the samples and the high recoveries would yield a high bias, no further corrective action was necessary.

Metals Data

Metals was subcontracted to STL Connecticut. All data is included in this report as Appendix A.

Wet Chemistry Data

The value obtained for Chloride on sample GEI-5G is inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

The value obtained for TDS on sample GEI-5G is inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

The value obtained for Sulfate on sample GEI-5G is inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

The value obtained for TR-Phenolics on sample WE-5S is inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

The value obtained for Nitrate on sample GEI-6G is inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

The recovery of sample W-5R Matrix Spike exhibited results above the quality control limits for COD. The recovery of sample W-5R Matrix Spike Duplicate exhibited results above the quality control limits for COD. However, the LCS was acceptable.

The relative percent difference between the Matrix Spike and the Matrix Spike Duplicate on sample W-5R exceed quality control criteria for BOD, though all individual recoveries are compliant. No action required.

The requested reporting limit for TR-Phenolics is below STL's standard reporting limit and, therefore, no corrective action has been taken for this anomaly. It must be noted that results reported below STL's standard reporting limit may result in false positive/false negative results, less accurate quantitation and potential misidentification at the lower concentrations.

The value obtained for TOX on sample GEI-6S is inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

The recovery of sample W-5R Matrix Spike exhibited results above the quality control limits for TR-Phenolics. However, the LCS was acceptable.

The values obtained for Chloride on samples GEI-10G and WE-10S are inconsistent with historical trends. Reanalysis was performed and the values were confirmed. Only the results from the original analysis are provided in this data package.

The value obtained for COD on samples WE-10R and WE-7R are inconsistent with historical trends. Reanalysis was performed and the values were confirmed. Only the result from the original analysis is provided in this data package.

The values obtained for TOX on samples WE-10R and WE-7S were inconsistent with historical trends. Reanalysis was performed and the values were confirmed. Only the results from the original analysis are provided in this data package.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
GEI-3G	A3990001	624	5.00	008
GEI-3G	A3990001	Chloride	3.00	008
GEI-5G	A3990002	608 P/PCB	100.00	004
GEI-5G	A3990002	624	20.00	008
GEI-5G	A3990002	625	2.00	012
GEI-5G	A3990002	Chemical Oxygen Demand	2.00	008
GEI-5G	A3990002	Chloride	10.00	008
GEI-5G	A3990002	Total Organic Halides (Tox)	5.00	008
WE-5S	A3990003	608 P/PCB	10.00	004
WE-5S	A3990003	624	10.00	008
WE-5S	A3990003	625	10.00	012
WE-5S	A3990003	Chloride	50.00	008
WE-5S	A3990003	Total Organic Carbon	2.00	008
WE-5S	A3990003	Total Organic Halides (Tox)	10.00	008
WE-6R	A3990004	608 P/PCB	20.00	004
WE-6R	A3990004	624	5.00	003
WE-6R	A3990004	Chloride	100.00	008
GEI-3G	A3990401	RSK175	40.00	008
GEI-5G	A3990402	RSK175	20.00	008
WE-5S	A3990403	RSK175	40.00	008
GEI-3G	A3990501	Antimony - Soluble	5.00	002
GEI-3G	A3990501	Arsenic - Soluble	5.00	002
GEI-3G	A3990501	Barium - Soluble	5.00	002
GEI-3G	A3990501	Beryllium - Soluble	5.00	002
GEI-3G	A3990501	Cadmium - Soluble	5.00	002
GEI-3G	A3990501	Lead - Soluble	5.00	002
GEI-3G	A3990501	Manganese - Soluble	5.00	002
GEI-3G	A3990501	Nickel - Soluble	5.00	002
GEI-3G	A3990501	Vanadium - Soluble	5.00	002
GEI-3G	A3990501	Zinc - Soluble	5.00	002
GEI-5G	A3990502	Antimony - Soluble	5.00	002
GEI-5G	A3990502	Arsenic - Soluble	5.00	002
GEI-5G	A3990502	Barium - Soluble	5.00	002
GEI-5G	A3990502	Beryllium - Soluble	5.00	002
GEI-5G	A3990502	Cadmium - Soluble	5.00	002
GEI-5G	A3990502	Lead - Soluble	5.00	002
GEI-5G	A3990502	Manganese - Soluble	5.00	002
GEI-5G	A3990502	Nickel - Soluble	5.00	002
GEI-5G	A3990502	Vanadium - Soluble	5.00	002
GEI-5G	A3990502	Zinc - Soluble	5.00	002

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
WE-5S	A3990503	Antimony - Soluble	5.00	002
WE-5S	A3990503	Arsenic - Soluble	5.00	002
WE-5S	A3990503	Barium - Soluble	5.00	002
WE-5S	A3990503	Beryllium - Soluble	5.00	002
WE-5S	A3990503	Cadmium - Soluble	5.00	002
WE-5S	A3990503	Lead - Soluble	5.00	002
WE-5S	A3990503	Manganese - Soluble	5.00	002
WE-5S	A3990503	Nickel - Soluble	5.00	002
WE-5S	A3990503	Vanadium - Soluble	5.00	002
WE-5S	A3990503	Zinc - Soluble	5.00	002
WE-6R	A3990504	Antimony - Soluble	5.00	002
WE-6R	A3990504	Arsenic - Soluble	5.00	002
WE-6R	A3990504	Barium - Soluble	5.00	002
WE-6R	A3990504	Beryllium - Soluble	5.00	002
WE-6R	A3990504	Cadmium - Soluble	5.00	002
WE-6R	A3990504	Lead - Soluble	5.00	002
WE-6R	A3990504	Manganese - Soluble	5.00	002
WE-6R	A3990504	Nickel - Soluble	5.00	002
WE-6R	A3990504	Vanadium - Soluble	5.00	002
WE-6R	A3990504	Zinc - Soluble	5.00	002
GEI-6G	A3997801	608 P/PCB	5.00	004
GEI-6G	A3997801	624	10.00	003
GEI-6G	A3997801	625	2.00	012
GEI-6G	A3997801	Chloride	50.00	008
GEI-6G	A3997801	Total Organic Carbon	2.00	008
GEI-6G	A3997801	Total Organic Halides (Tox)	20.00	008
GEI-6S	A3997802	608 P/PCB	4.00	004
GEI-6S	A3997802	624	10.00	003
GEI-6S	A3997802	625	5.00	012
GEI-6S	A3997802	Chloride	10.00	008
GEI-6S	A3997802	Total Organic Halides (Tox)	10.00	008
W-5R	A3997803	624	5.00	003
W-5R	A3997803	Chloride	200.00	008
W-5R	A3997803	Total Organic Halides (Tox)	10.00	008
W-5R	A3997803MS	624	5.00	003
W-5R	A3997803MS	Chloride	200.00	008
W-5R	A3997803MS	Total Organic Halides (Tox)	10.00	008
W-5R	A3997803SD	624	5.00	003
W-5R	A3997803SD	Chloride	200.00	008
W-5R	A3997803SD	Total Organic Halides (Tox)	10.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
GEI-6G	A3999701	RSK175	10.00	008
GEI-6S	A3999702	RSK175	10.00	008
GEI-10G	A3A00701	608 P/PCB	50.00	002
GEI-10G	A3A00701	624	5.00	003
GEI-10G	A3A00701	Chloride	25.00	008
GEI-10G	A3A00701	Total Organic Halides (Tox)	5.00	008
WE-10R	A3A00702	624	2.00	003
WE-10R	A3A00702	Chloride	200.00	008
WE-10S	A3A00703	624	5.00	003
WE-10S	A3A00703	Chloride	200.00	008
WE-7R	A3A00704	Chloride	100.00	008
WE-7S	A3A00705	608 P/PCB	50.00	002
WE-7S	A3A00705	624	10.00	003
WE-7S	A3A00705	Chloride	50.00	008
WE-7S	A3A00705	Total Organic Halides (Tox)	10.00	008
GEI-10G	A3A03201	RSK175	40.00	008
WE-7S	A3A03205	RSK175	10.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

SAMPLE DATA SUMMARY PACKAGE

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: FB101303

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3220.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

60/1028

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997804

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2091.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

FB101503

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00706

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2141.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2117.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	150	
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	180	
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-3G

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3228.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	280	
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	77	
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2080.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	8000	U
107-13-1	Acrylonitrile	8000	U
71-43-2	Benzene	1100	
75-27-4	Dichlorobromomethane	44	U
75-25-2	Bromoform	94	U
74-83-9	Bromomethane	200	U
56-23-5	Carbon Tetrachloride	56	U
108-90-7	Chlorobenzene	120	U
75-00-3	Chloroethane	200	U
110-75-8	2-Chloroethylvinyl ether	290	U
67-66-3	Chloroform	32	U
74-87-3	Chloromethane	200	U
124-48-1	Dibromochloromethane	62	U
75-34-3	1,1-Dichloroethane	94	U
107-06-2	1,2-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	56	U
540-59-0	1,2-Dichloroethene (Total)	100	U
78-87-5	1,2-Dichloropropane	120	U
10061-01-5	cis-1,3-Dichloropropene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
100-41-4	Ethylbenzene	140	U
75-09-2	Methylene chloride	70	U
79-34-5	1,1,2,2-Tetrachloroethane	140	U
127-18-4	Tetrachloroethene	82	U
108-88-3	Toluene	120	U
71-55-6	1,1,1-Trichloroethane	76	U
79-00-5	1,1,2-Trichloroethane	100	U
79-01-6	Trichloroethene	38	U
75-01-4	Vinyl chloride	200	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-6G

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997801

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2137.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	4000	U
107-13-1	Acrylonitrile	4000	U
71-43-2	Benzene	44	U
75-27-4	Dichlorobromomethane	22	U
75-25-2	Bromoform	47	U
74-83-9	Bromomethane	100	U
56-23-5	Carbon Tetrachloride	28	U
108-90-7	Chlorobenzene	60	U
75-00-3	Chloroethane	100	U
110-75-8	2-Chloroethylvinyl ether	150	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	31	U
75-34-3	1,1-Dichloroethane	47	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	28	U
540-59-0	1,2-Dichloroethene (Total)	50	U
78-87-5	1,2-Dichloropropane	60	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	72	U
75-09-2	Methylene chloride	35	U
79-34-5	1,1,2,2-Tetrachloroethane	69	U
127-18-4	Tetrachloroethene	41	U
108-88-3	Toluene	60	U
71-55-6	1,1,1-Trichloroethane	38	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	19	U
75-01-4	Vinyl chloride	100	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997802

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2087.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	4000	U
107-13-1	Acrylonitrile	4000	U
71-43-2	Benzene	97	
75-27-4	Dichlorobromomethane	22	U
75-25-2	Bromoform	47	U
74-83-9	Bromomethane	100	U
56-23-5	Carbon Tetrachloride	28	U
108-90-7	Chlorobenzene	60	U
75-00-3	Chloroethane	100	U
110-75-8	2-Chloroethylvinyl ether	150	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	31	U
75-34-3	1,1-Dichloroethane	47	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	28	U
540-59-0	1,2-Dichloroethene (Total)	50	U
78-87-5	1,2-Dichloropropane	60	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	72	U
75-09-2	Methylene chloride	35	U
79-34-5	1,1,2,2-Tetrachloroethane	69	U
127-18-4	Tetrachloroethene	41	U
108-88-3	Toluene	60	U
71-55-6	1,1,1-Trichloroethane	38	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	19	U
75-01-4	Vinyl chloride	100	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: TB101303

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990006

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3219.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

TB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997805

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2092.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: TB101503

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00707

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2142.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2088.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	22	U
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	30	U
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2118.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	800	U
107-13-1	Acrylonitrile	800	U
71-43-2	Benzene	9	U
75-27-4	Dichlorobromomethane	4	U
75-25-2	Bromoform	9	U
74-83-9	Bromomethane	20	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	20	U
110-75-8	2-Chloroethylvinyl ether	29	U
67-66-3	Chloroform	3	U
74-87-3	Chloromethane	20	U
124-48-1	Dibromochloromethane	6	U
75-34-3	1,1-Dichloroethane	9	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	6	U
540-59-0	1,2-Dichloroethene (Total)	10	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	14	U
75-09-2	Methylene chloride	7	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
127-18-4	Tetrachloroethene	8	U
108-88-3	Toluene	12	U
71-55-6	1,1,1-Trichloroethane	8	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	4	U
75-01-4	Vinyl chloride	20	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2139.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	22	U
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	30	U
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

WE-5S

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3226.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	4000	U
107-13-1	Acrylonitrile	4000	U
71-43-2	Benzene	290	
75-27-4	Dichlorobromomethane	22	U
75-25-2	Bromoform	47	U
74-83-9	Bromomethane	100	U
56-23-5	Carbon Tetrachloride	28	U
108-90-7	Chlorobenzene	60	U
75-00-3	Chloroethane	100	U
110-75-8	2-Chloroethylvinyl ether	150	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	31	U
75-34-3	1,1-Dichloroethane	47	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	28	U
540-59-0	1,2-Dichloroethene (Total)	50	U
78-87-5	1,2-Dichloropropane	60	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	72	U
75-09-2	Methylene chloride	35	U
79-34-5	1,1,2,2-Tetrachloroethane	69	U
127-18-4	Tetrachloroethene	41	U
108-88-3	Toluene	60	U
71-55-6	1,1,1-Trichloroethane	38	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	19	U
75-01-4	Vinyl chloride	100	U

74/1028

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3225.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	22	U
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	30	U
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

75/1028

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

WE-7R

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00704

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2140.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

76/1028

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

WE-7S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00705

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2121.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	4000	U
107-13-1	Acrylonitrile	4000	U
71-43-2	Benzene	44	U
75-27-4	Dichlorobromomethane	22	U
75-25-2	Bromoform	47	U
74-83-9	Bromomethane	100	U
56-23-5	Carbon Tetrachloride	28	U
108-90-7	Chlorobenzene	200	
75-00-3	Chloroethane	100	U
110-75-8	2-Chloroethylvinyl ether	150	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	31	U
75-34-3	1,1-Dichloroethane	47	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	28	U
540-59-0	1,2-Dichloroethene (Total)	50	U
78-87-5	1,2-Dichloropropane	60	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	72	U
75-09-2	Methylene chloride	35	U
79-34-5	1,1,2,2-Tetrachloroethane	69	U
127-18-4	Tetrachloroethene	41	U
108-88-3	Toluene	60	U
71-55-6	1,1,1-Trichloroethane	38	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	19	U
75-01-4	Vinyl chloride	100	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990005

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: X57989.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.9	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.3	U
59-50-7	Cresol, p-Chloro-m-	3.6	U
91-58-7	2-Chloronaphthalene	5.2	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.8	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990005

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: X57989.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.2	U
606-20-2	2,6-Dinitrotoluene	5.6	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.1	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.9	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.8	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997804

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57995.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997804

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57995.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: FB101503

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00706

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58037.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FB101503

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00706

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58037.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990001

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57985.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	5.3	
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990001

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57985.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	7.6	
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990002

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57986.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9.7	U
208-96-8	Acenaphthylene	9.7	U
120-12-7	Anthracene	13	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	13	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	18	U
191-24-2	Benzo(ghi)perylene	8.8	U
50-32-8	Benzo(a)pyrene	13	U
111-91-1	Bis(2-chloroethoxy) methane	7.2	U
111-44-4	Bis(2-chloroethyl) ether	6.4	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9.8	U
101-55-3	4-Bromophenyl phenyl ether	11	U
85-68-7	Butyl benzyl phthalate	8.5	U
59-50-7	Cresol, p-Chloro-m-	7.1	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	6.5	U
7005-72-3	4-Chlorophenyl phenyl ether	11	U
218-01-9	Chrysene	12	U
53-70-3	Dibenzo(a,h)anthracene	11	U
541-73-1	1,3-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	6.2	U
106-46-7	1,4-Dichlorobenzene	5.9	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	6.4	U
84-66-2	Diethyl phthalate	12	U
105-67-9	2,4-Dimethylphenol	4.9	U
131-11-3	Dimethyl phthalate	11	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	9.3	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990002

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57986.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	12	U
606-20-2	2,6-Dinitrotoluene	11	U
84-74-2	Di-n-butyl phthalate	15	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	15	U
86-73-7	Fluorene	14	U
118-74-1	Hexachlorobenzene	13	U
87-68-3	Hexachlorobutadiene	5.4	U
77-47-4	Hexachlorocyclopentadiene	16	U
67-72-1	Hexachloroethane	4.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
78-59-1	Isophorone	7.0	U
91-20-3	Naphthalene	6.7	U
98-95-3	Nitrobenzene	5.6	U
88-75-5	2-Nitrophenol	5.5	U
100-02-7	4-Nitrophenol	14	U
62-75-9	N-Nitrosodimethylamine	2.3	U
621-64-7	N-Nitroso-Di-n-propylamine	7.1	U
86-30-6	N-nitrosodiphenylamine	12	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	14	U
108-95-2	Phenol	2.4	U
129-00-0	Pyrene	11	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
88-06-2	2,4,6-Trichlorophenol	10	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997801

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57990.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9.7	U
208-96-8	Acenaphthylene	9.7	U
120-12-7	Anthracene	13	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	13	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	18	U
191-24-2	Benzo(ghi)perylene	8.8	U
50-32-8	Benzo(a)pyrene	13	U
111-91-1	Bis(2-chloroethoxy) methane	7.2	U
111-44-4	Bis(2-chloroethyl) ether	6.4	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9.8	U
101-55-3	4-Bromophenyl phenyl ether	11	U
85-68-7	Butyl benzyl phthalate	8.5	U
59-50-7	Cresol, p-Chloro-m-	7.1	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	6.5	U
7005-72-3	4-Chlorophenyl phenyl ether	11	U
218-01-9	Chrysene	12	U
53-70-3	Dibenzo(a,h)anthracene	11	U
541-73-1	1,3-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	6.2	U
106-46-7	1,4-Dichlorobenzene	5.9	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	6.4	U
84-66-2	Diethyl phthalate	12	U
105-67-9	2,4-Dimethylphenol	4.9	U
131-11-3	Dimethyl phthalate	11	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	9.3	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997801

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57990.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	12	U
606-20-2	2,6-Dinitrotoluene	11	U
84-74-2	Di-n-butyl phthalate	15	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	15	U
86-73-7	Fluorene	14	U
118-74-1	Hexachlorobenzene	13	U
87-68-3	Hexachlorobutadiene	5.4	U
77-47-4	Hexachlorocyclopentadiene	16	U
67-72-1	Hexachloroethane	4.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
78-59-1	Isophorone	7.0	U
91-20-3	Naphthalene	12	
98-95-3	Nitrobenzene	5.6	U
88-75-5	2-Nitrophenol	5.5	U
100-02-7	4-Nitrophenol	14	U
62-75-9	N-Nitrosodimethylamine	2.3	U
621-64-7	N-Nitroso-Di-n-propylamine	7.1	U
86-30-6	N-nitrosodiphenylamine	12	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	14	U
108-95-2	Phenol	2.4	U
129-00-0	Pyrene	11	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
88-06-2	2,4,6-Trichlorophenol	10	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

GEI-6S

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997802

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57991.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	24	U
208-96-8	Acenaphthylene	24	U
120-12-7	Anthracene	32	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	33	U
205-99-2	Benzo(b)fluoranthene	26	U
207-08-9	Benzo(k)fluoranthene	45	U
191-24-2	Benzo(ghi)perylene	22	U
50-32-8	Benzo(a)pyrene	32	U
111-91-1	Bis(2-chloroethoxy) methane	18	U
111-44-4	Bis(2-chloroethyl) ether	16	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	15	U
117-81-7	Bis(2-ethylhexyl) phthalate	24	U
101-55-3	4-Bromophenyl phenyl ether	28	U
85-68-7	Butyl benzyl phthalate	21	U
59-50-7	Cresol, p-Chloro-m-	18	U
91-58-7	2-Chloronaphthalene	26	U
95-57-8	2-Chlorophenol	16	U
7005-72-3	4-Chlorophenyl phenyl ether	28	U
218-01-9	Chrysene	31	U
53-70-3	Dibenzo(a,h)anthracene	29	U
541-73-1	1,3-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	15	U
91-94-1	3,3'-Dichlorobenzidine	33	U
120-83-2	2,4-Dichlorophenol	16	U
84-66-2	Diethyl phthalate	31	U
105-67-9	2,4-Dimethylphenol	12	U
131-11-3	Dimethyl phthalate	28	U
534-52-1	Cresol, 4,6-Dinitro-O-	44	U
122-66-7	1,2-Diphenylhydrazine	23	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997802

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57991.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	31	U
606-20-2	2,6-Dinitrotoluene	28	U
84-74-2	Di-n-butyl phthalate	38	U
117-84-0	Di-n-octyl phthalate	26	U
206-44-0	Fluoranthene	38	U
86-73-7	Fluorene	34	U
118-74-1	Hexachlorobenzene	33	U
87-68-3	Hexachlorobutadiene	14	U
77-47-4	Hexachlorocyclopentadiene	39	U
67-72-1	Hexachloroethane	12	U
193-39-5	Indeno(1,2,3-cd)pyrene	28	U
78-59-1	Isophorone	17	U
91-20-3	Naphthalene	17	U
98-95-3	Nitrobenzene	14	U
88-75-5	2-Nitrophenol	14	U
100-02-7	4-Nitrophenol	35	U
62-75-9	N-Nitrosodimethylamine	5.8	U
621-64-7	N-Nitroso-Di-n-propylamine	18	U
86-30-6	N-nitrosodiphenylamine	29	U
87-86-5	Pentachlorophenol	70	U
85-01-8	Phenanthrene	36	U
108-95-2	Phenol	6.1	U
129-00-0	Pyrene	29	U
120-82-1	1,2,4-Trichlorobenzene	14	U
88-06-2	2,4,6-Trichlorophenol	25	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00701

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58032.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	5.8	
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00701

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58032.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	10	
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57992.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	5.1	U
208-96-8	Acenaphthylene	5.1	U
120-12-7	Anthracene	6.6	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.6	U
207-08-9	Benzo(k)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	4.6	U
50-32-8	Benzo(a)pyrene	6.7	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.1	U
101-55-3	4-Bromophenyl phenyl ether	5.9	U
85-68-7	Butyl benzyl phthalate	4.4	U
59-50-7	Cresol, p-Chloro-m-	3.7	U
91-58-7	2-Chloronaphthalene	5.4	U
95-57-8	2-Chlorophenol	3.4	U
7005-72-3	4-Chlorophenyl phenyl ether	5.8	U
218-01-9	Chrysene	6.5	U
53-70-3	Dibenzo(a,h)anthracene	6.0	U
541-73-1	1,3-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	3.3	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.4	U
84-66-2	Diethyl phthalate	6.6	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	6.0	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.9	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57992.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.4	U
606-20-2	2,6-Dinitrotoluene	5.8	U
84-74-2	Di-n-butyl phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.5	U
206-44-0	Fluoranthene	7.9	U
86-73-7	Fluorene	7.2	U
118-74-1	Hexachlorobenzene	6.9	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.3	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.9	U
78-59-1	Isophorone	3.7	U
91-20-3	Naphthalene	3.5	U
98-95-3	Nitrobenzene	2.9	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.4	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.7	U
86-30-6	N-nitrosodiphenylamine	6.2	U
87-86-5	Pentachlorophenol	15	U
85-01-8	Phenanthrene	7.6	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	6.0	U
120-82-1	1,2,4-Trichlorobenzene	2.9	U
88-06-2	2,4,6-Trichlorophenol	5.3	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-5S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990003

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57987.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	48	U
208-96-8	Acenaphthylene	48	U
120-12-7	Anthracene	63	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	67	U
205-99-2	Benzo(b)fluoranthene	53	U
207-08-9	Benzo(k)fluoranthene	90	U
191-24-2	Benzo(ghi)perylene	44	U
50-32-8	Benzo(a)pyrene	63	U
111-91-1	Bis(2-chloroethoxy) methane	36	U
111-44-4	Bis(2-chloroethyl) ether	32	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	30	U
117-81-7	Bis(2-ethylhexyl) phthalate	49	U
101-55-3	4-Bromophenyl phenyl ether	56	U
85-68-7	Butyl benzyl phthalate	42	U
59-50-7	Cresol, p-Chloro-m-	35	U
91-58-7	2-Chloronaphthalene	51	U
95-57-8	2-Chlorophenol	32	U
7005-72-3	4-Chlorophenyl phenyl ether	55	U
218-01-9	Chrysene	62	U
53-70-3	Dibenzo(a,h)anthracene	57	U
541-73-1	1,3-Dichlorobenzene	28	U
95-50-1	1,2-Dichlorobenzene	31	U
106-46-7	1,4-Dichlorobenzene	29	U
91-94-1	3,3'-Dichlorobenzidine	66	U
120-83-2	2,4-Dichlorophenol	32	U
84-66-2	Diethyl phthalate	62	U
105-67-9	2,4-Dimethylphenol	24	U
131-11-3	Dimethyl phthalate	57	U
534-52-1	Cresol, 4,6-Dinitro-O-	87	U
122-66-7	1,2-Diphenylhydrazine	46	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-5S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990003

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57987.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	61	U
606-20-2	2,6-Dinitrotoluene	55	U
84-74-2	Di-n-butyl phthalate	76	U
117-84-0	Di-n-octyl phthalate	52	U
206-44-0	Fluoranthene	75	U
86-73-7	Fluorene	68	U
118-74-1	Hexachlorobenzene	66	U
87-68-3	Hexachlorobutadiene	27	U
77-47-4	Hexachlorocyclopentadiene	78	U
67-72-1	Hexachloroethane	23	U
193-39-5	Indeno(1,2,3-cd)pyrene	56	U
78-59-1	Isophorone	35	U
91-20-3	Naphthalene	33	U
98-95-3	Nitrobenzene	28	U
88-75-5	2-Nitrophenol	27	U
100-02-7	4-Nitrophenol	70	U
62-75-9	N-Nitrosodimethylamine	12	U
621-64-7	N-Nitroso-Di-n-propylamine	35	U
86-30-6	N-nitrosodiphenylamine	58	U
87-86-5	Pentachlorophenol	140	U
85-01-8	Phenanthrene	72	U
108-95-2	Phenol	12	U
129-00-0	Pyrene	57	U
120-82-1	1,2,4-Trichlorobenzene	28	U
88-06-2	2,4,6-Trichlorophenol	51	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990004

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57988.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.8	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.0	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.3	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.2	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990004

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57988.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.5	U
86-73-7	Fluorene	6.8	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.8	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.3	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-7R

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00704

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58035.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-7R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00704

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58035.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-7S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00705

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58036.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	3.8	
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-7S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00705

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58036.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00702

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58033.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00702

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58033.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-10S

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00703

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58034.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00703

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58034.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client N: FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990005

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: RA29435.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/20

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997804

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29446.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: FB101503

Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00706

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: 9B29252.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990001

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: RA29495.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0051	
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0059	
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.012	
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990002

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: RA29432.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.47	U
319-84-6	alpha-BHC	0.47	U
319-85-7	beta-BHC	0.47	U
58-89-9	gamma-BHC (Lindane)	0.47	U
319-86-8	delta-BHC	0.47	U
57-74-9	Chlordane	1.3	U
72-54-8	4,4'-DDD	0.47	U
72-55-9	4,4'-DDE	0.47	U
50-29-3	4,4'-DDT	0.47	U
60-57-1	Dieldrin	0.47	U
959-98-8	Endosulfan I	0.47	U
33213-65-9	Endosulfan II	0.47	U
1031-07-8	Endosulfan Sulfate	0.47	U
72-20-8	Endrin	0.47	U
7421-93-4	Endrin aldehyde	0.47	U
76-44-8	Heptachlor	0.47	U
1024-57-3	Heptachlor epoxide	9.4	U
8001-35-2	Toxaphene	4.7	U
12674-11-2	PCB 1016	4.7	U
11104-28-2	PCB 1221	4.7	U
11141-16-5	PCB 1232	4.7	U
53469-21-9	PCB 1242	4.7	U
12672-29-6	PCB 1248	4.7	U
11097-69-1	PCB 1254	4.7	U
11096-82-5	PCB 1260	0.47	U
72-43-5	Methoxychlor		

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997801

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29480.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.024	U
319-84-6	alpha-BHC	0.024	U
319-85-7	beta-BHC	0.024	U
58-89-9	gamma-BHC (Lindane)	0.024	U
319-86-8	delta-BHC	0.024	U
57-74-9	Chlordane	0.066	U
72-54-8	4,4'-DDD	0.024	U
72-55-9	4,4'-DDE	0.024	U
50-29-3	4,4'-DDT	0.024	U
60-57-1	Dieldrin	0.024	U
959-98-8	Endosulfan I	0.024	U
33213-65-9	Endosulfan II	0.024	U
1031-07-8	Endosulfan Sulfate	0.024	U
72-20-8	Endrin	0.024	U
7421-93-4	Endrin aldehyde	0.024	U
76-44-8	Heptachlor	0.024	U
1024-57-3	Heptachlor epoxide	0.024	U
8001-35-2	Toxaphene	0.47	U
12674-11-2	PCB 1016	0.24	U
11104-28-2	PCB 1221	0.24	U
11141-16-5	PCB 1232	0.24	U
53469-21-9	PCB 1242	0.24	U
12672-29-6	PCB 1248	0.24	U
11097-69-1	PCB 1254	0.24	U
11096-82-5	PCB 1260	0.24	U
72-43-5	Methoxychlor	0.024	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997802

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29442.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
309-00-2	Aldrin	0.019	U
319-84-6	alpha-BHC	0.019	U
319-85-7	beta-BHC	0.15	
58-89-9	gamma-BHC (Lindane)	0.019	U
319-86-8	delta-BHC	0.019	U
57-74-9	Chlordane	0.053	U
72-54-8	4,4'-DDD	0.019	U
72-55-9	4,4'-DDE	0.019	U
50-29-3	4,4'-DDT	0.019	U
60-57-1	Dieldrin	0.019	U
959-98-8	Endosulfan I	0.019	U
33213-65-9	Endosulfan II	0.019	U
1031-07-8	Endosulfan Sulfate	0.019	U
72-20-8	Endrin	0.019	U
7421-93-4	Endrin aldehyde	0.019	U
76-44-8	Heptachlor	0.019	U
1024-57-3	Heptachlor epoxide	0.019	U
8001-35-2	Toxaphene	0.38	U
12674-11-2	PCB 1016	0.19	U
11104-28-2	PCB 1221	0.19	U
11141-16-5	PCB 1232	0.19	U
53469-21-9	PCB 1242	0.19	U
12672-29-6	PCB 1248	0.19	U
11097-69-1	PCB 1254	0.19	U
11096-82-5	PCB 1260	0.19	U
72-43-5	Methoxychlor	0.019	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00701

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: 9B29258.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.24	U
319-84-6	alpha-BHC	0.24	U
319-85-7	beta-BHC	0.24	U
58-89-9	gamma-BHC (Lindane)	0.24	U
319-86-8	delta-BHC	0.24	U
57-74-9	Chlordane	0.67	U
72-54-8	4,4'-DDD	0.24	U
72-55-9	4,4'-DDE	0.24	U
50-29-3	4,4'-DDT	0.24	U
60-57-1	Dieldrin	0.24	U
959-98-8	Endosulfan I	0.24	U
33213-65-9	Endosulfan II	0.24	U
1031-07-8	Endosulfan Sulfate	0.24	U
72-20-8	Endrin	0.24	U
7421-93-4	Endrin aldehyde	0.24	U
76-44-8	Heptachlor	0.24	U
1024-57-3	Heptachlor epoxide	0.24	U
8001-35-2	Toxaphene	4.8	U
12674-11-2	PCB 1016	2.4	U
11104-28-2	PCB 1221	2.4	U
11141-16-5	PCB 1232	2.4	U
53469-21-9	PCB 1242	2.4	U
12672-29-6	PCB 1248	2.4	U
11097-69-1	PCB 1254	2.4	U
11096-82-5	PCB 1260	2.4	U
72-43-5	Methoxychlor	0.24	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: RA29443.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0067	
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client Nc

WE-5S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990003

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: RA29433.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.047	U
319-84-6	alpha-BHC	0.047	U
319-85-7	beta-BHC	0.047	U
58-89-9	gamma-BHC (Lindane)	0.047	U
319-86-8	delta-BHC	0.047	U
57-74-9	Chlordane	0.13	U
72-54-8	4,4'-DDD	0.047	U
72-55-9	4,4'-DDE	0.047	U
50-29-3	4,4'-DDT	0.047	U
60-57-1	Dieldrin	0.047	U
959-98-8	Endosulfan I	0.047	U
33213-65-9	Endosulfan II	0.047	U
1031-07-8	Endosulfan Sulfate	0.047	U
72-20-8	Endrin	0.047	U
7421-93-4	Endrin aldehyde	0.047	U
76-44-8	Heptachlor	0.047	U
1024-57-3	Heptachlor epoxide	0.047	U
8001-35-2	Toxaphene	0.94	U
12674-11-2	PCB 1016	0.47	U
11104-28-2	PCB 1221	0.47	U
11141-16-5	PCB 1232	0.47	U
53469-21-9	PCB 1242	0.47	U
12672-29-6	PCB 1248	0.47	U
11097-69-1	PCB 1254	0.47	U
11096-82-5	PCB 1260	0.47	U
72-43-5	Methoxychlor	0.047	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: WE-6R

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990004

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: RA29434.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.094	U
319-84-6	alpha-BHC	0.094	U
319-85-7	beta-BHC	0.094	U
58-89-9	gamma-BHC (Lindane)	0.094	U
319-86-8	delta-BHC	0.094	U
57-74-9	Chlordane	0.26	U
72-54-8	4,4'-DDD	0.094	U
72-55-9	4,4'-DDE	0.094	U
50-29-3	4,4'-DDT	0.094	U
60-57-1	Dieldrin	0.094	U
959-98-8	Endosulfan I	0.094	U
33213-65-9	Endosulfan II	0.094	U
1031-07-8	Endosulfan Sulfate	0.094	U
72-20-8	Endrin	0.094	U
7421-93-4	Endrin aldehyde	0.094	U
76-44-8	Heptachlor	0.094	U
1024-57-3	Heptachlor epoxide	0.094	U
8001-35-2	Toxaphene	1.9	U
12674-11-2	PCB 1016	0.94	U
11104-28-2	PCB 1221	0.94	U
11141-16-5	PCB 1232	0.94	U
53469-21-9	PCB 1242	0.94	U
12672-29-6	PCB 1248	0.94	U
11097-69-1	PCB 1254	0.94	U
11096-82-5	PCB 1260	0.94	U
72-43-5	Methoxychlor	0.094	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: WE-7R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00704

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: 9B29251.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: WE-7S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00705

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: 9B29262.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
309-00-2	Aldrin	0.24	U
319-84-6	alpha-BHC	0.24	U
319-85-7	beta-BHC	0.24	U
58-89-9	gamma-BHC (Lindane)	0.24	U
319-86-8	delta-BHC	0.24	U
57-74-9	Chlordane	0.67	U
72-54-8	4,4'-DDD	0.24	U
72-55-9	4,4'-DDE	0.24	U
50-29-3	4,4'-DDT	0.24	U
60-57-1	Dieldrin	0.24	U
959-98-8	Endosulfan I	0.24	U
33213-65-9	Endosulfan II	0.24	U
1031-07-8	Endosulfan Sulfate	0.24	U
72-20-8	Endrin	0.24	U
7421-93-4	Endrin aldehyde	0.24	U
76-44-8	Heptachlor	0.24	U
1024-57-3	Heptachlor epoxide	0.24	U
8001-35-2	Toxaphene	4.8	U
12674-11-2	PCB 1016	2.4	U
11104-28-2	PCB 1221	2.4	U
11141-16-5	PCB 1232	2.4	U
53469-21-9	PCB 1242	2.4	U
12672-29-6	PCB 1248	2.4	U
11097-69-1	PCB 1254	2.4	U
11096-82-5	PCB 1260	2.4	U
72-43-5	Methoxychlor	0.24	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00702

Sample wt/vol: 1045.00 (g/mL) ML Lab File ID: 9B29250.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00703

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 9B29259.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.10	U
8001-35-2	Toxaphene	0.050	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.0050	U
72-43-5	Methoxychlor		

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990005

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/15/2003
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/15/2003
Chloride	MG/L	1.0	U			325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003
Total Dissolved Solids	MG/L	10	U			160.1	10/16/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	10	U			9020	10/22/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101303

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990505

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997804

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/16/2003
Chloride	MG/L	1.0	U			325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003
Total Dissolved Solids	MG/L	10	U			160.1	10/20/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	10	U			9020	10/22/2003
Total Recoverable Phenolics	MG/L	0.0065				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101403

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999804

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0036	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: FB101503

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00706

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/21/2003
Chloride	MG/L	1.0	U			325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	10	U			160.1	10/22/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	10	U			9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101503

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03306

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990001

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	33.8				405.1	10/15/2003
Chemical Oxygen Demand	MG/L	51.9				410.4	10/15/2003
Chloride	MG/L	118				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003
Total Dissolved Solids	MG/L	765				160.1	10/16/2003
Total Organic Carbon	MG/L	12.7				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	138				9020	10/21/2003
Total Recoverable Phenolics	MG/L	0.014				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-3G

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990501

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990002

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	21.0				405.1	10/15/2003
Chemical Oxygen Demand	MG/L	196				410.4	10/16/2003
Chloride	MG/L	297				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.57				353.2	10/14/2003
Total Dissolved Solids	MG/L	1270				160.1	10/20/2003
Total Organic Carbon	MG/L	33.4				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	436				9020	10/22/2003
Total Recoverable Phenolics	MG/L	0.056				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990502

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0030	B			335.3	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997801

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	32.3				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	877				410.4	10/16/2003
Chloride	MG/L	1280				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	2.5				353.2	10/15/2003
Total Dissolved Solids	MG/L	4360				160.1	10/17/2003
Total Organic Carbon	MG/L	198				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	2120				9020	10/23/2003
Total Recoverable Phenolics	MG/L	0.093				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999801

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0014	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997802

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	18.3				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	294				410.4	10/16/2003
Chloride	MG/L	444				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003
Total Dissolved Solids	MG/L	1520				160.1	10/17/2003
Total Organic Carbon	MG/L	68.4				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	481				9020	10/23/2003
Total Recoverable Phenolics	MG/L	0.031				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-6S

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999802

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00701

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	20.5				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	315				410.4	10/21/2003
Chloride	MG/L	672				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	2060				160.1	10/20/2003
Total Organic Carbon	MG/L	39.8				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	420				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-10G

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03301

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0015	B			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997803

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	55.0				410.4	10/16/2003
Chloride	MG/L	5310				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003
Total Dissolved Solids	MG/L	11300				160.1	10/17/2003
Total Organic Carbon	MG/L	8.6				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	510				9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.0069				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-5R

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999803

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.020	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-5S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990003

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	35.0				405.1	10/15/2003
Chemical Oxygen Demand	MG/L	385				410.4	10/15/2003
Chloride	MG/L	2390				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003
Total Dissolved Solids	MG/L	5780				160.1	10/16/2003
Total Organic Carbon	MG/L	57.6				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	843				9020	10/22/2003
Total Recoverable Phenolics	MG/L	0.068				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-5S

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990503

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0034	B			335.3	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990004

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	7.7				405.1	10/15/2003
Chemical Oxygen Demand	MG/L	343				410.4	10/15/2003
Chloride	MG/L	3100				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003
Total Dissolved Solids	MG/L	6790				160.1	10/16/2003
Total Organic Carbon	MG/L	17.1				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	183				9020	10/21/2003
Total Recoverable Phenolics	MG/L	0.014				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-6R

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990504

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/23/2003

Comments:

144/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-7R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00704

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	30.7				410.4	10/22/2003
Chloride	MG/L	2570				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	5800				160.1	10/20/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	66.8				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-7R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03304

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-7S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00705

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	11.0				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	420				410.4	10/21/2003
Chloride	MG/L	2040				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	4390				160.1	10/20/2003
Total Organic Carbon	MG/L	25.3				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	513				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.022				420.2	10/29/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-7S

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03305

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00702

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	3.3				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	63.1				410.4	10/22/2003
Chloride	MG/L	5850				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	11900				160.1	10/20/2003
Total Organic Carbon	MG/L	3.2				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	38.2				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-10R

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03302

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00703

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	113				410.4	10/21/2003
Chloride	MG/L	5500				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	10900				160.1	10/20/2003
Total Organic Carbon	MG/L	8.7				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	132				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03303

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

	Client Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	FB101303	105		103		98							0
2	FB101403	104		104		100							0
3	FB101503	102		100		98							0
4	GEI-10G	107		132		104							0
5	GEI-3G	103		103		95							0
6	GEI-5G	103		96		98							0
7	GEI-6G	103		96		98							0
8	GEI-6S	105		110		98							0
9	MSB75	102		99		100							0
10	MSB83	102		113		102							0
11	MSB85	99		100		100							0
12	TB101303	107		105		93							0
13	TB101403	106		105		100							0
14	TB101503	105		99		98							0
15	VBLK75	108		102		99							0
16	VBLK83	103		92		99							0
17	VBLK84	100		96		99							0
18	VBLK85	103		96		100							0
19	W-5R	102		108		98							0
20	W-5R	101		111		100							0
21	W-5R	100		106		99							0
22	WE-10R	108		118		109							0
23	WE-10S	104		98		100							0
24	WE-5S	101		104		97							0
25	WE-6R	102		105		96							0
26	WE-7R	104		99		99							0
27	WE-7S	107		123		110							0

QC LIMITS

BFB = p-Bromofluorobenzene (67-127)
DCE = 1,2-Dichloroethane-D4 (79-146)
TOL = Toluene-D8 (86-110)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

	Client Sample ID	2FP %REC	#	FBP %REC	#	NBZ %REC	#	PHL %REC	#	TBP %REC	#	TPH %REC	#			TOT OUT
1	FB101303	32		70		58		20		59		81				0
2	FB101403	40		92		76		25		70		95				0
3	FB101503	44		87		78		29		71		92				0
4	GEI-10G	49		90		75		34		94		72				0
5	GEI-3G	40		90		75		28		92		93				0
6	GEI-5G	37		88		70		26		92		80				0
7	GEI-6G	48		101		88		33		107		73				0
8	GEI-6S	37		101		76		26		99		100				0
9	Matrix Spike Blank	38		85		70		27		84		96				0
10	Matrix Spike Blank	48		101		87		34		94		103				0
11	S Blank	40		81		71		27		66		94				0
12	S Blank	53		102		88		34		75		102				0
13	W-5R	42		86		73		31		86		79				0
14	W-5R	38		87		76		27		86		83				0
15	W-5R	39		91		78		29		87		84				0
16	WE-10R	49		96		83		33		89		92				0
[illegible]	WE-10S	48		94		81		33		100		90				0
[illegible]	WE-5S	32		102		75		24		88		102				0
19	WE-6R	40		80		69		27		88		82				0
20	WE-7R	45		90		80		29		79		91				0
21	WE-7S	48		101		85		33		97		93				0

			QC LIMITS
2FP	=	2-Fluorophenol	(16-120)
FBP	=	2-Fluorobiphenyl	(46-120)
NBZ	=	Nitrobenzene-D5	(37-120)
PHL	=	Phenol-D5	(10-110)
TBP	=	2,4,6-Tribromophenol	(45-136)
TPH	=	p-Terphenyl-d14	(41-134)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

GC Column(1): RTXCLPI ID: 0.53 (mm)

	Client Sample ID	DCBP %REC	#	TCMX %REC	#							TOT OUT
1	FB101303	100		68								0
2	FB101403	86		66								0
3	FB101503	112		100								0
4	GEI-10G	0	D	0	D							0
5	GEI-3G	101		197	*							1
6	GEI-5G	0	D	0	D							0
7	GEI-6G	0	*	590	*							2
8	GEI-6S	2	*	1020	*							2
9	Matrix Spike Blank	128		64								0
10	Matrix Spike Blank	164	*	82								1
11	Method Blank	125		80								0
12	Method Blank	112		74								0
13	W-5R	66		74								0
14	W-5R	84		101								0
15	W-5R	70		78								0
16	WE-10R	145	*	90								0
17	WE-10S	104		92								0
18	WE-10S	83		88								0
19	WE-10S	104		96								0
20	WE-5S	0	D	0	D							0
21	WE-6R	0	D	0	D							0
22	WE-7R	100		86								0
23	WE-7S	0	D	0	D							0

QC LIMITS

(DCBP) = Decachlorobiphenyl (30-135)
(TCMX) = Tetrachloro-m-xylene (22-119)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3990007

Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: ~~VBLK75~~ MSB75 MTG 10/31/2003

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acrolein	400	395	99	64 - 135
Acrylonitrile	400	399	100	53 - 143
Benzene	20.0	17.8	89	80 - 122
Dichlorobromomethane	20.0	18.3	92	81 - 118
Bromoform	20.0	18.1	91	74 - 115
Bromomethane	20.0	24.6	123	51 - 155
Carbon Tetrachloride	20.0	15.9	80	70 - 140
Chlorobenzene	20.0	18.4	92	80 - 118
Chloroethane	20.0	15.0	75	72 - 131
2-Chloroethylvinyl ether	100	98.8	99	66 - 131
Chloroform	20.0	18.1	91	81 - 123
Chloromethane	20.0	13.6	68	64 - 130
Dibromochloromethane	20.0	18.9	94	78 - 118
1,1-Dichloroethane	20.0	18.0	90	72 - 133
1,2-Dichloroethane	20.0	18.1	91	78 - 121
1,1-Dichloroethene	20.0	16.6	83	71 - 132
[redacted]-Dichloropropane	20.0	17.9	90	82 - 120
[redacted]-1,3-Dichloropropene	20.0	18.9	95	81 - 118
trans-1,3-Dichloropro(1)	20.0	19.1	96	79 - 116
Ethylbenzene	20.0	18.1	91	80 - 122
Methylene chloride	20.0	18.3	83	61 - 135
1,1,2,2-Tetrachloroet(2)	20.0	19.7	98	76 - 126
Tetrachloroethene	20.0	17.0	85	40 - 145
Toluene	20.0	17.7	89	68 - 130
1,1,1-Trichloroethane	20.0	16.2	81	75 - 123
1,1,2-Trichloroethane	20.0	18.7	94	80 - 121
Trichloroethene	20.0	17.2	86	76 - 122
Vinyl chloride	20.0	14.3	72	62 - 136

(1) trans-1,3-Dichloropropene
(2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 28 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3990009

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: ~~VBLK83~~ MSB83 10/31/2003

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acrolein	400	479	120	64 - 135
Acrylonitrile	400	420	105	53 - 143
Benzene	20.0	18.1	91	80 - 122
Dichlorobromomethane	20.0	18.7	94	81 - 118
Bromoform	20.0	17.1	86	74 - 115
Bromomethane	20.0	20.7	104	51 - 155
Carbon Tetrachloride	20.0	18.9	95	70 - 140
Chlorobenzene	20.0	17.6	88	80 - 118
Chloroethane	20.0	22.7	114	72 - 131
2-Chloroethylvinyl ether	100	91.4	91	66 - 131
Chloroform	20.0	17.3	86	81 - 123
Chloromethane	20.0	18.8	94	64 - 130
Dibromochloromethane	20.0	17.7	88	78 - 118
1,1-Dichloroethane	20.0	18.8	94	72 - 133
1,2-Dichloroethane	20.0	20.1	101	78 - 121
1,1-Dichloroethene	20.0	19.8	99	71 - 132
1,2-Dichloropropane	20.0	18.5	93	82 - 120
cis-1,3-Dichloropropene	20.0	17.7	89	81 - 118
trans-1,3-Dichloropro(1)	20.0	17.6	88	79 - 116
Ethylbenzene	20.0	17.5	88	80 - 122
Methylene chloride	20.0	18.7	88	61 - 135
1,1,2,2-Tetrachloroet(2)	20.0	17.5	88	76 - 126
Tetrachloroethene	20.0	17.7	89	40 - 145
Toluene	20.0	17.8	89	68 - 130
1,1,1-Trichloroethane	20.0	16.3	82	75 - 123
1,1,2-Trichloroethane	20.0	18.1	91	80 - 121
Trichloroethene	20.0	18.3	92	76 - 122
Vinyl chloride	20.0	21.3	106	62 - 136

(1) trans-1,3-Dichloropropene
(2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 28 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997809

Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: ~~VBLK85~~ MS1685 10/31/03

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Acrolein	400	388	97		64 - 135
Acrylonitrile	400	387	97		53 - 143
Benzene	20.0	19.1	96		80 - 122
Dichlorobromomethane	20.0	18.7	94		81 - 118
Bromoform	20.0	17.0	85		74 - 115
Bromomethane	20.0	18.2	91		51 - 155
Carbon Tetrachloride	20.0	18.4	92		70 - 140
Chlorobenzene	20.0	18.6	93		80 - 118
Chloroethane	20.0	20.4	102		72 - 131
2-Chloroethylvinyl ether	100	100	101		66 - 131
Chloroform	20.0	19.2	96		81 - 123
Chloromethane	20.0	15.8	79		64 - 130
Dibromochloromethane	20.0	18.2	91		78 - 118
1,1-Dichloroethane	20.0	18.5	92		72 - 133
1,2-Dichloroethane	20.0	18.7	94		78 - 121
1,1-Dichloroethene	20.0	18.2	91		71 - 132
1,2-Dichloropropane	20.0	19.2	96		82 - 120
cis-1,3-Dichloropropene	20.0	19.0	95		81 - 118
trans-1,3-Dichloropro(1)	20.0	17.9	90		79 - 116
Ethylbenzene	20.0	18.6	93		80 - 122
Methylene chloride	20.0	18.5	93		61 - 135
1,1,2,2-Tetrachloroet(2)	20.0	19.0	95		76 - 126
Tetrachloroethene	20.0	18.0	90		40 - 145
Toluene	20.0	18.9	95		68 - 130
1,1,1-Trichloroethane	20.0	18.1	91		75 - 123
1,1,2-Trichloroethane	20.0	18.9	95		80 - 121
Trichloroethene	20.0	19.2	96		76 - 122
Vinyl chloride	20.0	16.9	84		62 - 136

(1) trans-1,3-Dichloropropene
(2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 28 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC	#	QC LIMITS REC.
Acrolein	2000	0	1890	94		64 - 135
Acrylonitrile	2000	0	2144	107		53 - 143
Benzene	100	0	94.9	95		80 - 122
Dichlorobromomethane	100	0	97.1	97		81 - 118
Bromoform	100	0	82.4	82		74 - 115
Bromomethane	100	0	101	102		51 - 155
Carbon Tetrachloride	100	0	102	102		70 - 140
Chlorobenzene	100	0	92.5	92		80 - 118
Chloroethane	100	0	85.8	86		72 - 131
2-Chloroethylvinyl ether	500	0	0	0	*	66 - 131
Chloroform	100	0	106	106		81 - 123
Chloromethane	100	0	76.9	77		64 - 130
Dibromochloromethane	100	0	89.8	90		78 - 118
1,1-Dichloroethane	100	0	98.0	98		72 - 133
1,2-Dichloroethane	100	0	103	104		78 - 121
1,1-Dichloroethene	100	0	100	101		71 - 132
1,2-Dichloropropane	100	0	94.7	95		82 - 120
cis-1,3-Dichloropropene	100	0	86.3	86		81 - 118
trans-1,3-Dichloropro(1)	100	0	85.6	86		79 - 116
Ethylbenzene	100	0	91.6	92		80 - 122
Methylene chloride	100	0	96.1	96		61 - 135
1,1,2,2-Tetrachloroet(2)	100	0	91.5	92		76 - 126
Tetrachloroethene	100	0	87.5	88		40 - 145
Toluene	100	0	90.9	91		68 - 130
1,1,1-Trichloroethane	100	0	98.7	99		75 - 123
1,1,2-Trichloroethane	100	0	94.1	94		80 - 121
Trichloroethene	100	0	95.2	95		76 - 122
Vinyl chloride	100	0	89.7	90		62 - 136

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Acrolein	2000	1820	91		3		20	64 - 135
Acrylonitrile	2000	2075	104		3		20	53 - 143
Benzene	100	93.9	94		1		17	80 - 122
Bromodichloromethane	100	96.9	97		0		15	81 - 118
Bromoform	100	83.1	83		1		15	74 - 115
Bromomethane	100	105	105		3		15	51 - 155
Carbon Tetrachloride	100	96.2	96		6		15	70 - 140
Chlorobenzene	100	90.9	91		1		34	80 - 118
Chloroethane	100	120	120		33	*	15	72 - 131
2-Chloroethylvinyl ether	500	0	0	*	0		15	66 - 131
Chloroform	100	102	103		3		23	81 - 123

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Chloromethane	100	90.8	91		17	*	15	64 - 130
Dibromochloromethane	100	90.8	91		1		15	78 - 118
1,1-Dichloroethane	100	103	104		6		15	72 - 133
1,2-Dichloroethane	100	103	103		1		15	78 - 121
1,1-Dichloroethene	100	95.1	95		6		15	71 - 132
1,2-Dichloropropane	100	95.5	96		1		15	82 - 120
cis-1,3-Dichloropropene	100	89.0	89		3		15	81 - 118
trans-1,3-Dichloropro(1)	100	88.2	88		2		15	79 - 116
Ethylbenzene	100	91.5	92		0		6	80 - 122
Methylene chloride	100	94.3	94		2		23	61 - 135
1,1,2,2-Tetrachloroet(2)	100	91.3	91		1		15	76 - 126
Tetrachloroethene	100	86.5	86		2		15	40 - 145
Toluene	100	91.3	91		0		15	68 - 130
1,1,1-Trichloroethane	100	94.9	95		4		15	75 - 123
1,1,2-Trichloroethane	100	93.9	94		0		15	80 - 121
Trichloroethene	100	93.3	93		2		17	76 - 122
Vinyl chloride	100	88.5	88		2		15	62 - 136

(1) trans-1,3-Dichloropropene
(2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 28 outside limits
Spike recovery: 2 out of 56 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Acenaphthene	47.1	0	38.7	82	47 - 120
Acenaphthylene	47.1	0	40.4	86	35 - 129
Anthracene	47.1	0	35.8	76	49 - 133
Benzidine	47.1	0	0.775	2	1 - 120
Benzo(a)anthracene	47.1	0	44.0	93	50 - 143
Benzo(b)fluoranthene	47.1	0	44.7	95	59 - 138
Benzo(k)fluoranthene	47.1	0	36.7	78	50 - 143
Benzo(ghi)perylene	47.1	0	46.5	99	44 - 153
Benzo(a)pyrene	47.1	0	42.1	89	57 - 140
Bis(2-chloroethoxy) m(1)	47.1	0	38.4	81	40 - 120
Bis(2-chloroethyl) ether	47.1	0	32.8	70	35 - 120
2,2'-Oxybis(1-Chlorop(2)	47.1	0	33.5	71	33 - 120
Bis(2-ethylhexyl) pht(3)	47.1	0.341	45.5	96	49 - 158
4-Bromophenyl phenyl (4)	47.1	0	36.9	78	53 - 127
Butyl benzyl phthalate	47.1	0	43.8	93	47 - 147
Cresol, p-Chloro-m-	47.1	0	45.2	96	45 - 138
2-Chloronaphthalene	47.1	0	35.4	75	60 - 120
2-Chlorophenol	47.1	0	31.5	67	31 - 120
4-Chlorophenyl phenyl(5)	47.1	0	40.3	86	43 - 126
Chrysene	47.1	0	38.9	82	55 - 146
Dibenzo(a,h)anthracene	47.1	0	43.3	92	45 - 153
1,3-Dichlorobenzene	47.1	0	21.6	46	11 - 120
1,2-Dichlorobenzene	47.1	0	24.6	52	32 - 120
1,4-Dichlorobenzene	47.1	0	23.0	49	20 - 120
3,3'-Dichlorobenzidine	47.1	0	30.2	64	35 - 143
2,4-Dichlorophenol	47.1	0	41.2	87	43 - 123
Diethyl phthalate	47.1	0	44.4	94	44 - 120
2,4-Dimethylphenol	47.1	0.250	43.5	92	42 - 120
Dimethyl phthalate	47.1	0	43.4	92	54 - 120
Cresol, 4,6-Dinitro-O(6)	47.1	0	32.9	70	32 - 156
1,2-Diphenylhydrazine	47.1	0	40.7	86	47 - 146
2,4-Dinitrophenol	47.1	0	31.5	67	16 - 127
2,4-Dinitrotoluene	47.1	0	50.2	106	51 - 139
2,6-Dinitrotoluene	47.1	0	44.1	94	55 - 144
Di-n-butyl phthalate	47.1	1.23	37.7	77	53 - 120
Di-n-octyl phthalate	47.1	0.260	44.8	94	56 - 146
Fluoranthene	47.1	0	37.0	79	46 - 137
Fluorene	47.1	0	42.9	91	59 - 121
Hexachlorobenzene	47.1	0	35.2	75	54 - 133
Hexachlorobutadiene	47.1	0	21.5	46	24 - 120
Hexachlorocyclopentad(7)	47.1	0	11.9	25	5 - 120
Hexachloroethane	47.1	0	18.5	39 *	40 - 113
Indeno(1,2,3-cd)pyrene	47.1	0	46.5	99	50 - 147
Isophorone	47.1	0	38.0	80	34 - 120
Naphthalene	47.1	0	32.7	69	27 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Nitrobenzene	47.1	0	35.5	75	35 - 120
2-Nitrophenol	47.1	0	38.2	81	34 - 123
4-Nitrophenol	47.1	0	21.8	46	22 - 120
N-Nitrosodimethylamine	47.1	0	22.3	47	19 - 120
N-Nitroso-Di-n-propyl (8)	47.1	0	38.5	82	40 - 120
N-nitrosodiphenylamine	47.1	0	32.6	69	54 - 125
Pentachlorophenol	47.1	0	39.9	85	37 - 147
Phenanthrene	47.1	0	35.4	75	56 - 120
Phenol	47.1	0	14.0	30	12 - 120
Pyrene	47.1	0	47.1	100	52 - 120
1,2,4-Trichlorobenzene	47.1	0	26.9	57	44 - 120
2,4,6-Trichlorophenol	47.1	0	44.7	95	48 - 136

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	47.1	39.8	84	2	25	47 - 120
Acenaphthylene	47.1	41.0	87	1	22	35 - 129
Anthracene	47.1	36.1	76	0	15	49 - 133
Benzidine	47.1	0.757	2	0	50	1 - 120
Benzo(a)anthracene	47.1	44.7	95	2	15	50 - 143
Benzo(b)fluoranthene	47.1	40.4	86	10	17	59 - 138
Benzo(k)fluoranthene	47.1	44.2	94	19	19	50 - 143
Benzo(ghi)perylene	47.1	47.9	102	3	19	44 - 153
Benzo(a)pyrene	47.1	43.4	92	3	15	57 - 140
Bis(2-chloroethoxy) m(1)	47.1	39.1	83	2	23	40 - 120
Bis(2-chloroethyl) ether	47.1	34.3	73	4	33	35 - 120
2,2'-Oxybis(1-Chlorop(2)	47.1	35.4	75	5	36	33 - 120
Bis(2-ethylhexyl) pht(3)	47.1	46.7	98	2	15	49 - 158
4-Bromophenyl phenyl (4)	47.1	37.7	80	2	16	53 - 127
Butyl benzyl phthalate	47.1	46.3	98	5	15	47 - 147
4-Chloro-3-methylphenol	47.1	45.1	96	0	16	45 - 138
2-Chloronaphthalene	47.1	36.6	78	4	30	60 - 120
2-Chlorophenol	47.1	32.2	68	1	26	31 - 120
4-Chlorophenyl phenyl(5)	47.1	41.2	87	1	15	43 - 126
Chrysene	47.1	40.3	85	4	15	55 - 146
Dibenzo(a,h)anthracene	47.1	44.0	93	1	18	45 - 153
1,3-Dichlorobenzene	47.1	22.8	48	4	37	11 - 120
1,2-Dichlorobenzene	47.1	25.9	55	6	38	32 - 120
1,4-Dichlorobenzene	47.1	24.3	52	6	40	20 - 120
3,3'-Dichlorobenzidine	47.1	32.9	70	9	31	35 - 143
2,4-Dichlorophenol	47.1	41.2	87	0	23	43 - 123
Diethyl phthalate	47.1	44.5	94	0	15	44 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	47.1	44.2	93		1		18	42 - 120
Dimethyl phthalate	47.1	44.1	93		1		15	54 - 120
4,6-Dinitro-2-methylp(6)	47.1	33.8	72		3		30	32 - 156
1,2-Diphenylhydrazine	47.1	40.3	86		0		20	47 - 146
2,4-Dinitrophenol	47.1	32.2	68		1		29	16 - 127
2,4-Dinitrotoluene	47.1	50.8	108		2		20	51 - 139
2,6-Dinitrotoluene	47.1	45.2	96		2		17	55 - 144
Di-n-butyl phthalate	47.1	38.1	78		1		15	53 - 120
Di-n-octyl phthalate	47.1	45.4	96		2		15	56 - 146
Fluoranthene	47.1	38.7	82		4		15	46 - 137
Fluorene	47.1	43.6	92		1		18	59 - 121
Hexachlorobenzene	47.1	36.1	76		1		15	54 - 133
Hexachlorobutadiene	47.1	22.1	47		2		50	24 - 120
Hexachlorocyclopentad(7)	47.1	13.8	29		15		50	5 - 120
Hexachloroethane	47.1	19.4	41		5		43	40 - 113
Indeno(1,2,3-cd)pyrene	47.1	47.9	102		3		17	50 - 147
Isophorone	47.1	38.4	81		1		21	34 - 120
Naphthalene	47.1	34.4	73		6		31	27 - 120
Nitrobenzene	47.1	35.5	75		0		27	35 - 120
2-Nitrophenol	47.1	39.8	84		4		28	34 - 123
4-Nitrophenol	47.1	22.0	47		2		24	22 - 120
N-Nitrosodimethylamine	47.1	22.9	48		2		22	19 - 120
N-Nitroso-Di-n-propyl(8)	47.1	39.8	84		2		23	40 - 120
N-nitrosodiphenylamine	47.1	33.1	70		1		15	54 - 125
Pentachlorophenol	47.1	39.3	83		2		21	37 - 147
Phenanthrene	47.1	37.3	79		5		16	56 - 120
Phenol	47.1	14.9	32		6		36	12 - 120
Pyrene	47.1	47.4	101		1		15	52 - 120
1,2,4-Trichlorobenzene	47.1	28.5	60		5		34	44 - 120
2,4,6-Trichlorophenol	47.1	44.8	95		0		20	48 - 136

(1) Bis(2-chloroethoxy) methane
(2) 2,2'-Oxybis(1-Chloropropane)
(3) Bis(2-ethylhexyl) phthalate
(4) 4-Bromophenyl phenyl ether
(5) 4-Chlorophenyl phenyl ether
(6) 4,6-Dinitro-2-methylphenol
(7) Hexachlorocyclopentadiene
(8) N-Nitroso-Di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

RPD: 0 out of 57 outside limits
Spike recovery: 1 out of 114 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Acenaphthene	50.0	38.1	76		47 - 120
Acenaphthylene	50.0	39.0	78		35 - 129
Anthracene	50.0	40.8	82		49 - 133
Benzidine	50.0	16.6	33		1 - 120
Benzo(a)anthracene	50.0	48.1	96		50 - 143
Benzo(b)fluoranthene	50.0	48.4	97		59 - 138
Benzo(k)fluoranthene	50.0	44.6	89		50 - 143
Benzo(ghi)perylene	50.0	51.1	102		44 - 153
Benzo(a)pyrene	50.0	48.2	96		57 - 140
Bis(2-chloroethoxy) m(1)	50.0	37.0	74		40 - 120
Bis(2-chloroethyl) ether	50.0	32.5	65		35 - 120
2,2'-Oxybis(1-Chlorop(2)	50.0	30.9	62		33 - 120
Bis(2-ethylhexyl) pht(3)	50.0	45.9	92		49 - 158
4-Bromophenyl phenyl (4)	50.0	38.2	76		53 - 127
Butyl benzyl phthalate	50.0	45.2	90		47 - 147
Cresol, p-Chloro-m-	50.0	43.0	86		45 - 138
2-Chloronaphthalene	50.0	31.6	63		60 - 120
2-Chlorophenol	50.0	31.4	63		31 - 120
4-Chlorophenyl phenyl(5)	50.0	42.0	84		43 - 126
Chrysene	50.0	43.5	87		55 - 146
Dibenzo(a,h)anthracene	50.0	49.3	99		45 - 153
1,3-Dichlorobenzene	50.0	13.2	26		11 - 120
1,2-Dichlorobenzene	50.0	16.0	32		32 - 120
1,4-Dichlorobenzene	50.0	14.5	29		20 - 120
3,3'-Dichlorobenzidine	50.0	52.7	105		35 - 143
2,4-Dichlorophenol	50.0	39.4	79		43 - 123
Diethyl phthalate	50.0	48.2	96		44 - 120
2,4-Dimethylphenol	50.0	41.1	82		42 - 120
Dimethyl phthalate	50.0	47.2	94		54 - 120
Cresol, 4,6-Dinitro-O(6)	50.0	39.4	79		32 - 156
1,2-Diphenylhydrazine	50.0	42.5	85		47 - 146
2,4-Dinitrophenol	50.0	33.0	66		16 - 127
2,4-Dinitrotoluene	50.0	48.8	98		51 - 139
2,6-Dinitrotoluene	50.0	46.2	92		55 - 144
Di-n-butyl phthalate	50.0	41.8	82		53 - 120
Di-n-octyl phthalate	50.0	46.3	93		56 - 146
Fluoranthene	50.0	42.1	84		46 - 137
Fluorene	50.0	44.2	88		59 - 121
Hexachlorobenzene	50.0	39.3	79		54 - 133
Hexachlorobutadiene	50.0	10.8	22	*	24 - 120
Hexachlorocyclopentad(7)	50.0	12.5	25		5 - 120
Hexachloroethane	50.0	9.18	18	*	40 - 113
Indeno(1,2,3-cd)pyrene	50.0	51.1	102		50 - 147
Isophorone	50.0	36.7	73		34 - 120
Naphthalene	50.0	27.5	55		27 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Nitrobenzene	50.0	33.9	68		35 - 120
2-Nitrophenol	50.0	36.2	72		34 - 123
4-Nitrophenol	50.0	20.1	40		22 - 120
N-Nitrosodimethylamine	50.0	22.9	46		19 - 120
N-Nitroso-Di-n-propyl(8)	50.0	36.2	72		40 - 120
N-nitrosodiphenylamine	50.0	31.7	63		54 - 125
Pentachlorophenol	50.0	35.9	72		37 - 147
Phenanthrene	50.0	41.2	82		56 - 120
Phenol	50.0	14.9	30		12 - 120
Pyrene	50.0	51.6	103		52 - 120
1,2,4-Trichlorobenzene	50.0	18.3	37	*	44 - 120
2,4,6-Trichlorophenol	50.0	44.0	88		48 - 136

(1) Bis(2-chloroethoxy) methane
(2) 2,2'-Oxybis(1-Chloropropane)
Bis(2-ethylhexyl) phthalate
4-Bromophenyl phenyl ether
(5) 4-Chlorophenyl phenyl ether
(6) 4,6-Dinitro-2-methylphenol
(7) Hexachlorocyclopentadiene
(8) N-Nitroso-Di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 3 out of 57 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1188102

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acenaphthene	50.0	47.4	95	47 - 120
Acenaphthylene	50.0	48.2	96	35 - 129
Anthracene	50.0	44.5	89	49 - 133
Benzidine	50.0	10.6	21	1 - 120
Benzo(a)anthracene	50.0	52.5	105	50 - 143
Benzo(b)fluoranthene	50.0	51.1	102	59 - 138
Benzo(k)fluoranthene	50.0	51.3	103	50 - 143
Benzo(ghi)perylene	50.0	47.1	94	44 - 153
Benzo(a)pyrene	50.0	51.6	103	57 - 140
Bis(2-chloroethoxy) m(1)	50.0	46.3	93	40 - 120
Bis(2-chloroethyl) ether	50.0	39.6	79	35 - 120
2,2'-Oxybis(1-Chlorop(2)	50.0	40.6	81	33 - 120
Bis(2-ethylhexyl) pht(3)	50.0	54.1	108	49 - 158
4-Bromophenyl phenyl (4)	50.0	44.2	88	53 - 127
Butyl benzyl phthalate	50.0	52.4	105	47 - 147
Cresol, p-Chloro-m-	50.0	52.0	104	45 - 138
2-Chloronaphthalene	50.0	46.3	93	60 - 120
2-Chlorophenol	50.0	37.9	76	31 - 120
4-Chlorophenyl phenyl(5)	50.0	49.2	98	43 - 126
Chrysene	50.0	46.6	93	55 - 146
Dibenzo(a,h)anthracene	50.0	44.5	89	45 - 153
1,3-Dichlorobenzene	50.0	35.6	71	11 - 120
1,2-Dichlorobenzene	50.0	37.0	74	32 - 120
1,4-Dichlorobenzene	50.0	36.7	73	20 - 120
3,3'-Dichlorobenzidine	50.0	53.5	107	35 - 143
2,4-Dichlorophenol	50.0	50.1	100	43 - 123
Diethyl phthalate	50.0	50.7	102	44 - 120
2,4-Dimethylphenol	50.0	48.4	97	42 - 120
Dimethyl phthalate	50.0	49.3	99	54 - 120
Cresol, 4,6-Dinitro-O(6)	50.0	43.5	87	32 - 156
1,2-Diphenylhydrazine	50.0	47.9	96	47 - 146
2,4-Dinitrophenol	50.0	37.7	76	16 - 127
2,4-Dinitrotoluene	50.0	52.3	105	51 - 139
2,6-Dinitrotoluene	50.0	51.3	103	55 - 144
Di-n-butyl phthalate	50.0	45.0	89	53 - 120
Di-n-octyl phthalate	50.0	54.6	109	56 - 146
Fluoranthene	50.0	43.7	88	46 - 137
Fluorene	50.0	50.8	102	59 - 121
Hexachlorobenzene	50.0	42.2	84	54 - 133
Hexachlorobutadiene	50.0	38.6	77	24 - 120
Hexachlorocyclopentad(7)	50.0	50.6	101	5 - 120
Hexachloroethane	50.0	33.5	67	40 - 113
Indeno(1,2,3-cd)pyrene	50.0	47.1	94	50 - 147
Isophorone	50.0	45.4	91	34 - 120
Naphthalene	50.0	44.1	88	27 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1188102

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Nitrobenzene	50.0	42.3	85	35 - 120
2-Nitrophenol	50.0	47.3	95	34 - 123
4-Nitrophenol	50.0	22.5	45	22 - 120
N-Nitrosodimethylamine	50.0	27.5	55	19 - 120
N-Nitroso-Di-n-propyl(8)	50.0	43.2	86	40 - 120
N-nitrosodiphenylamine	50.0	37.6	75	54 - 125
Pentachlorophenol	50.0	39.8	80	37 - 147
Phenanthrene	50.0	44.2	88	56 - 120
Phenol	50.0	18.9	38	12 - 120
Pyrene	50.0	51.5	103	52 - 120
1,2,4-Trichlorobenzene	50.0	41.1	82	44 - 120
2,4,6-Trichlorophenol	50.0	51.9	104	48 - 136

(1) Bis(2-chloroethoxy) methane
(2) 2,2'-Oxybis(1-Chloropropane)
(3) Bis(2-ethylhexyl) phthalate
(4) 4-Bromophenyl phenyl ether
(5) 4-Chlorophenyl phenyl ether
(6) 4,6-Dinitro-2-methylphenol
(7) Hexachlorocyclopentadiene
(8) N-Nitroso-Di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 57 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
alpha-BHC	0.0458	0.00430	0.0389	75	49 - 120
Heptachlor	0.0458	0	0.0467	102	17 - 120
Aldrin	0.0458	0	0.0417	91	19 - 120
beta-BHC	0.0458	0	0.0384	84	58 - 120
gamma-BHC (Lindane)	0.0458	0	0.0435	95	50 - 120
delta-BHC	0.0458	0.00410	0.0417	82	56 - 120
Dieldrin	0.0458	0	0.0412	90	55 - 125
Endrin	0.0458	0	0.0490	107	53 - 127
4,4'-DDD	0.0458	0	0.0458	100	57 - 130
4,4'-DDT	0.0458	0.00670	0.0436	80	52 - 121
4,4'-DDE	0.0458	0	0.0460	100	33 - 126
Endosulfan I	0.0458	0	0.0472	103	44 - 124
Endosulfan II	0.0458	0	0.0431	94	60 - 124
Endrin aldehyde	0.0458	0	0.0355	77	59 - 122
Endosulfan Sulfate	0.0458	0	0.0447	98	52 - 134
Heptachlor epoxide	0.0458	0	0.0400	87	53 - 12
Methoxychlor	0.0458	0	0.0593	129 *	50 - 12

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
alpha-BHC	0.0458	0.0331	63	17	35	49 - 120
Heptachlor	0.0458	0.0361	79	25	35	17 - 120
Aldrin	0.0458	0.0289	63	36 *	35	19 - 120
beta-BHC	0.0458	0.0343	75	11	35	58 - 120
gamma-BHC (Lindane)	0.0458	0.0376	82	15	35	50 - 120
delta-BHC	0.0458	0.0370	72	13	35	56 - 120
Dieldrin	0.0458	0.0363	79	13	35	55 - 125
Endrin	0.0458	0.0406	88	19	35	53 - 127
4,4'-DDD	0.0458	0.0361	79	23	35	57 - 130
4,4'-DDT	0.0458	0.0392	71	12	35	52 - 121
4,4'-DDE	0.0458	0.0392	86	15	35	33 - 126
Endosulfan I	0.0458	0.0411	90	13	35	44 - 124
Endosulfan II	0.0458	0.0362	79	17	35	60 - 124
Endrin aldehyde	0.0458	0.0331	72	7	35	59 - 122
Endosulfan Sulfate	0.0458	0.0392	86	13	35	52 - 134
Heptachlor epoxide	0.0458	0.0342	74	16	35	53 - 120
Methoxychlor	0.0458	0.0515	112	14	35	50 - 127

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SIL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 17 outside limits
Spike recovery: 1 out of 34 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3A00703

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: WE-10S

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.	+ =
alpha-BHC	0.0952	0	0.0841	88	49 - 120	
Heptachlor	0.0952	0	0.0773	81	17 - 120	
Aldrin	0.0952	0	0.0681	72	19 - 120	
beta-BHC	0.0952	0	0.0845	89	58 - 120	
gamma-BHC (Lindane)	0.0952	0	0.0859	90	50 - 120	
delta-BHC	0.0952	0.00440	0.0781	77	56 - 120	
Dieldrin	0.0952	0	0.0904	95	55 - 125	
Endrin	0.0952	0	0.103	108	53 - 127	
4,4'-DDD	0.0952	0	0.0933	98	57 - 130	
4,4'-DDT	0.0952	0	0.101	106	52 - 121	
4,4'-DDE	0.0952	0	0.0880	92	33 - 126	
Endosulfan I	0.0952	0	0.0876	92	44 - 124	
Endosulfan II	0.0952	0	0.107	113	60 - 124	
Endrin aldehyde	0.0952	0	0.0619	65	59 - 122	
Endosulfan Sulfate	0.0952	0	0.0944	99	52 - 134	
Heptachlor epoxide	0.0952	0	0.0897	94	53 - 120	
Methoxychlor	0.0952	0	0.112	118	50 - 127	

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	+ =
alpha-BHC	0.0952	0.0899	94	6	35	49 - 120	
Heptachlor	0.0952	0.0861	90	10	35	17 - 120	
Aldrin	0.0952	0.0782	82	13	35	19 - 120	
beta-BHC	0.0952	0.0908	95	6	35	58 - 120	
gamma-BHC (Lindane)	0.0952	0.0920	97	7	35	50 - 120	
delta-BHC	0.0952	0.0821	82	6	35	56 - 120	
Dieldrin	0.0952	0.0982	103	8	35	55 - 125	
Endrin	0.0952	0.110	116	7	35	53 - 127	
4,4'-DDD	0.0952	0.100	106	8	35	57 - 130	
4,4'-DDT	0.0952	0.112	118	11	35	52 - 121	
4,4'-DDE	0.0952	0.0965	101	9	35	33 - 126	
Endosulfan I	0.0952	0.0948	100	8	35	44 - 124	
Endosulfan II	0.0952	0.111	117	3	35	60 - 124	
Endrin aldehyde	0.0952	0.0712	75	14	35	59 - 122	
Endosulfan Sulfate	0.0952	0.0998	105	6	35	52 - 134	
Heptachlor epoxide	0.0952	0.0961	101	7	35	53 - 120	
Methoxychlor	0.0952	0.125	132 *	11	35	50 - 127	

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3A00703

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: WE-10S

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike recovery: 1 out of 34 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182502

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.	+ =
alpha-BHC	0.0500	0.0364	73		49 - 120	
Heptachlor	0.0500	0.0334	67		17 - 120	
Aldrin	0.0500	0.0223	45		19 - 120	
beta-BHC	0.0500	0.0409	82		58 - 120	
gamma-BHC (Lindane)	0.0500	0.0368	74		50 - 120	
beta-BHC	0.0500	0.0409	82		58 - 120	
gamma-BHC (Lindane)	0.0500	0.0368	74		50 - 120	
delta-BHC	0.0500	0.0367	73		56 - 120	
Dieldrin	0.0500	0.0345	69		55 - 125	
Endrin	0.0500	0.0449	90		53 - 127	
4,4'-DDD	0.0500	0.0486	97		57 - 130	
4,4'-DDT	0.0500	0.0435	87		52 - 121	
4,4'-DDE	0.0500	0.0404	81		33 - 126	
Endosulfan I	0.0500	0.0407	81		44 - 124	
Endosulfan II	0.0500	0.0384	77		60 - 124	
Endrin aldehyde	0.0500	0.0581	116		59 - 122	
Endosulfan Sulfate	0.0500	0.0433	87		52 - 134	
Heptachlor epoxide	0.0500	0.0409	82		53 - 120	
Methoxychlor	0.0500	0.0471	94		50 - 127	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 19 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1188802

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.	+ =
alpha-BHC	0.0500	0.0513	103		49 - 120	
Heptachlor	0.0500	0.0366	73		17 - 120	
Aldrin	0.0500	0.0285	57		19 - 120	
beta-BHC	0.0500	0.0549	110		58 - 120	
gamma-BHC (Lindane)	0.0500	0.0532	106		50 - 120	
delta-BHC	0.0500	0.0512	102		56 - 120	
Dieldrin	0.0500	0.0537	107		55 - 125	
Endrin	0.0500	0.0592	118		53 - 127	
4,4'-DDD	0.0500	0.0544	109		57 - 130	
4,4'-DDT	0.0500	0.0574	115		52 - 121	
4,4'-DDE	0.0500	0.0466	93		33 - 126	
Endosulfan I	0.0500	0.0524	105		44 - 124	
Endosulfan II	0.0500	0.0552	110		60 - 124	
Endrin aldehyde	0.0500	0.0419	84		59 - 122	
Endosulfan Sulfate	0.0500	0.0554	111		52 - 134	
Heptachlor epoxide	0.0500	0.0525	105		53 - 120	
Methoxychlor	0.0500	0.0666	133	*	50 - 127	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 1 out of 17 outside limits

Comments: _____

SDG: 1003G2
ient Sample ID: Method Blank
Lab Sample ID: A3B1177002

LCS
A3B1177001

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
IET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	220.8	198.0	111	85-115

SDG: 1003G2
ient Sample ID: Method Blank
Lab Sample ID: A3B1181202
LCS
A3B1181201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
IET CHEMISTRY ANALYSIS					
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	182.0	198.0	92	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
.ient Sample ID: Method Blank
Lab Sample ID: A3B1176802

LCS
A3B1176801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
/ET CHEMISTRY ANALYSIS					
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	828.4	800.0	104	90-110

176/1028

* Indicates Resu[illegible]s outside QC Limits
NC = Not Calcul[illegible] ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1177202 A3B1177201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	69.80	75.00	93	90-110

177/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1181602
LCS
A3B1181601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	77.30	75.00	103	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

178/1028

SDG: 1003G2
ient Sample ID: Method Blank
Lab Sample ID: A381181702

LCS
A381181701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
IET CHEMISTRY ANALYSIS					
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	805.2	800.0	101	90-110

179/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1200802

LCS
A3B1200801

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	80.30	75.00	107	90-110

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1201002
LCS
A3B1201001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	835.3	800.0	104	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1206502

LCS
A3B1206501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	72.20	75.00	96	90-110

* Indicates Results outside QC Limits
NC = Not Calculated ND = Not Detected

1821028

SDG: 1003G2
ient Sample ID: Method Blank
Lab Sample ID: A3B1183502
LCS
A3B1183501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS 325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	23.40	25.00	94	90-110

183/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1205502

LCS
A3B1205501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	23.50	25.00	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calcula[illegible] ND = Not Detected

SDG: 1003G2

Client Sample ID:	W-5R	W-5R	W-5R
Lab Sample ID:	A3997803	A3997803MS	A3997803SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
WET CHEMISTRY ANALYSIS												
325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	26.53	35.35	35.59	10.0	10.0	88	91	90	3	20.0	74-131
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	55.00	124.8	126.8	50.00	50.00	140 *	144 *	142	3	20.0	70-120
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	0	0.952	0.935	1.00	1.00	95	94	95	1	20.0	77-123
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	117.7	182.7	198.0	198.0	59	92	76	44 *	20.0	22-178
METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	8.57	22.55	21.98	20.00	20.00	70	67	69	4	20.0	54-131
METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.00690	0.153	0.101	0.100	0.100	146 *	95	121	42 *	20.0	60-143

185/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1172602
LCS
A3B1172601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.71	2.50	109	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
.ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1178202 A3B1178201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
JET CHEMISTRY ANALYSIS					
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.35	2.50	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1184702

LCS
A3B1184701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.39	2.50	96	90-110

188/1028

* Indicates Result is outside QC Limits
NC = Not Calculated, ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1181402 A3B1181401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	504.0	500.0	101	85-115

189/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1186502
LCS
A3B1186501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	482.0	500.0	96	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
lient Sample ID: Method Blank LCS
Lab Sample ID: A3B1193702 A3B1193701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	455.0	500.0	91	85-115

191/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
ient Sample ID: Method Blank
Lab Sample ID: A3B1198102

LCS
A3B1198101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
IET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	513.0	500.0	103	85-115

* Indicates Resu[illegible]s outside QC Limits
NC = Not Calcul[illegible] ND = Not Detected

192/1028

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1204802 A3B1204801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	491.0	500.0	98	85-115

193/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
.ient Sample ID: Method Blank
Lab Sample ID: A3B1197302

LCS
A3B1197301

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ÆT CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	57.37	60.00	96	90-110

194/1028

* Indicates Result is outside QC Limits
NC = Not Calcul ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1197402 A3B1197401

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	55.84	60.00	93	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1212902

LCS
A3B1212901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	54.93	60.00	92	90-110

* Indicates Result is outside QC Limits
NC = Not Calcula[redacted] ND = Not Detected

SDG: 1003G2
lient Sample ID: Method Blank LCS
Lab Sample ID: A3B1214902 A3B1214901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	56.81	60.00	95	90-110

197/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
ient Sample ID: Method Blank
Lab Sample ID: A3B1215002

LCS
A3B1215001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	54.79	60.00	91	90-110

* Indicates Result is outside QC Limits
NC = Not Calcula ND = Not Detected

SDG: 1003G2

Client Sample ID:	W-5R	W-5R
Lab Sample ID:	A3997803	A3997803SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS												
METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	50.98	134.6	134.6	100.0	100.0	84	84	84	0	20.0	75-125

199/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2

ient Sample ID:	W-5R	W-5R
Lab Sample ID:	A3997803SD	A3997803SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
IET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	96.21	96.21	96.21	100.0	0	0 *	0 *	0	0	20.0	75-125

200/1028

* Indicates Result is outside QC Limits
NC = Not Calcul ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1201803 A3B1201801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	109.1	100.0	109	75-125

201/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
lient Sample ID: Method Blank
Lab Sample ID: A3B1209806

LCS
A3B1209804

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	109.1	100.0	109	75-125

202/1028

* Indicates Result is outside QC Limits
NC = Not Calcul ND = Not Detected

SDG: 1003G2
ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1214203 A3B1214201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	109.1	100.0	109	75-125

203/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1220103
LCS
A3B1220101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	116.0	100.0	116	75-125

204/1028

* Indicates Result is outside QC Limits
NC = Not Calcula ND = Not Detected

SDG: 1003G2
ient Sample ID: Method Blank
Lab Sample ID: A3B1223403
LCS
A3B1223401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	116.0	100.0	116	75-125

205/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
.ient Sample ID: Method Blank
Lab Sample ID: A3B1203702
LCS
A3B1203701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
JET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0511	0.0500	102	90-110

206/1028

* Indicates Result is outside QC Limits
NC = Not Calcula[illegible] ND = Not Detected

SDG: 1003G2
ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1235002 A3B1235001

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
IET CHEMISTRY ANALYSIS					
METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0550	0.0500	110	90-110

207/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1240402
LCS
A3B1240401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0462	0.0500	91	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

208/1028

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK75

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: Q3202.RR Lab Sample ID: A3990007

Date Analyzed: 10/14/2003 Time Analyzed: 15:07

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973Q

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FB101303	A3990005	Q3220.RR	00:41
2	GEI-3G	A3990001	Q3228.RR	04:32
3	MSB75	A3990008	Q3201.RR	14:38
4	TB101303	A3990006	Q3219.RR	00:13
5	WE-5S	A3990003	Q3226.RR	03:34
6	WE-6R	A3990004	Q3225.RR	03:05

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK75

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990007

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3202.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/14/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: R2078.RR Lab Sample ID: A3990009

Date Analyzed: 10/16/2003 Time Analyzed: 19:59

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GEI-5G	A3990002	R2080.RR	20:30
2	MSB83	A3990010	R2111.RR	10:14
3	TB101403	A3997805	R2092.RR	23:32
4	W-5R	A3997803	R2088.RR	22:31
5	W-5R	A3997803SD	R2090.RR	23:01
6	WE-10R	A3A00702	R2118.RR	12:48

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: VBLK83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990009

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2078.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK84

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: R2079.RR Lab Sample ID: A3997808

Date Analyzed: 10/16/2003 Time Analyzed: 20:15

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FB101403	A3997804	R2091.RR	23:16
2	GEI-10G	A3A00701	R2117.RR	12:31
3	GEI-6S	A3997802	R2087.RR	22:16
4	W-5R	A3997803MS	R2089.RR	22:46
5	WE-7S	A3A00705	R2121.RR	13:35

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK84

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997808

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2079.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK85

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: R2135.RR Lab Sample ID: A3997809

Date Analyzed: 10/20/2003 Time Analyzed: 16:01

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FB101503	A3A00706	R2141.RR	19:14
2	GEI-6G	A3997801	R2137.RR	17:23
3	MSB85	A3997810	R2134.RR	15:33
4	TB101503	A3A00707	R2142.RR	19:42
5	WE-10S	A3A00703	R2139.RR	18:19
6	WE-7R	A3A00704	R2140.RR	18:47

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: VBLK85

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997809

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2135.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
METHOD BLANK SUMMARY

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: X57984.RR Lab Sample ID: A3B1182602

Instrument ID: I50X-A Date Extracted: 10/17/2003

Matrix: (soil/water) WATER Date Analyzed: 10/18/2003

Level: (low/med) LOW Time Analyzed: 11:46

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	FB101303	A3990005	X57989.RR	10/18/2003
2	FB101403	A3997804	X57995.RR	10/18/2003
3	GEI-3G	A3990001	X57985.RR	10/18/2003
4	GEI-5G	A3990002	X57986.RR	10/18/2003
5	GEI-6G	A3997801	X57990.RR	10/18/2003
6	GEI-6S	A3997802	X57991.RR	10/18/2003
7	Matrix Spike Blank	A3B1182601	X57983.RR	10/18/2003
8	W-5R	A3997803	X57992.RR	10/18/2003
9	W-5R	A3997803MS	X57993.RR	10/18/2003
10	W-5R	A3997803SD	X57994.RR	10/18/2003
11	WE-5S	A3990003	X57987.RR	10/18/2003
12	WE-6R	A3990004	X57988.RR	10/18/2003

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1182602

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57984.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	5.1	U
208-96-8	Acenaphthylene	5.1	U
120-12-7	Anthracene	6.6	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.6	U
207-08-9	Benzo(k)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	4.6	U
50-32-8	Benzo(a)pyrene	6.7	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.1	U
101-55-3	4-Bromophenyl phenyl ether	5.9	U
85-68-7	Butyl benzyl phthalate	4.4	U
59-50-7	Cresol, p-Chloro-m-	3.7	U
91-58-7	2-Chloronaphthalene	5.4	U
95-57-8	2-Chlorophenol	3.4	U
7005-72-3	4-Chlorophenyl phenyl ether	5.8	U
218-01-9	Chrysene	6.5	U
53-70-3	Dibenzo(a,h)anthracene	6.0	U
541-73-1	1,3-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	3.3	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.4	U
84-66-2	Diethyl phthalate	6.6	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	6.0	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.9	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1182602

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57984.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.4	U
606-20-2	2,6-Dinitrotoluene	5.8	U
84-74-2	Di-n-butyl phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.5	U
206-44-0	Fluoranthene	7.9	U
86-73-7	Fluorene	7.2	U
118-74-1	Hexachlorobenzene	6.9	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.3	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.9	U
78-59-1	Isophorone	3.7	U
91-20-3	Naphthalene	3.5	U
98-95-3	Nitrobenzene	2.9	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.4	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.7	U
86-30-6	N-nitrosodiphenylamine	6.2	U
87-86-5	Pentachlorophenol	15	U
85-01-8	Phenanthrene	7.6	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	6.0	U
120-82-1	1,2,4-Trichlorobenzene	2.9	U
88-06-2	2,4,6-Trichlorophenol	5.3	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
METHOD BLANK SUMMARY

Client No.: S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: X58015.RR Lab Sample ID: A3B1188102

Instrument ID: I50X-A Date Extracted: 10/17/2003

Matrix: (soil/water) WATER Date Analyzed: 10/21/2003

Level: (low/med) LOW Time Analyzed: 11:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	FB101503	A3A00706	X58037.RR	10/22/2003
2	GEI-10G	A3A00701	X58032.RR	10/21/2003
3	Matrix Spike Blank	A3B1188101	X58014.RR	10/21/2003
4	WE-10R	A3A00702	X58033.RR	10/21/2003
5	WE-10S	A3A00703	X58034.RR	10/21/2003
6	WE-7R	A3A00704	X58035.RR	10/21/2003
7	WE-7S	A3A00705	X58036.RR	10/21/2003

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1188102

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X58015.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	5.1	U
208-96-8	Acenaphthylene	5.1	U
120-12-7	Anthracene	6.6	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.6	U
207-08-9	Benzo(k)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	4.6	U
50-32-8	Benzo(a)pyrene	6.7	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.1	U
101-55-3	4-Bromophenyl phenyl ether	5.9	U
85-68-7	Butyl benzyl phthalate	4.4	U
59-50-7	Cresol, p-Chloro-m-	3.7	U
91-58-7	2-Chloronaphthalene	5.4	U
95-57-8	2-Chlorophenol	3.4	U
7005-72-3	4-Chlorophenyl phenyl ether	5.8	U
218-01-9	Chrysene	6.5	U
53-70-3	Dibenzo(a,h)anthracene	6.0	U
541-73-1	1,3-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	3.3	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.4	U
84-66-2	Diethyl phthalate	6.6	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	6.0	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.9	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1188102

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X58015.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.4	U
606-20-2	2,6-Dinitrotoluene	5.8	U
84-74-2	Di-n-butyl phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.5	U
206-44-0	Fluoranthene	7.9	U
86-73-7	Fluorene	7.2	U
118-74-1	Hexachlorobenzene	6.9	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.3	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.9	U
78-59-1	Isophorone	3.7	U
91-20-3	Naphthalene	3.5	U
98-95-3	Nitrobenzene	2.9	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.4	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.7	U
86-30-6	N-nitrosodiphenylamine	6.2	U
87-86-5	Pentachlorophenol	15	U
85-01-8	Phenanthrene	7.6	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	6.0	U
120-82-1	1,2,4-Trichlorobenzene	2.9	U
88-06-2	2,4,6-Trichlorophenol	5.3	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1182502 Lab File ID: RA29392.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): N Date Extracted: 10/17/2003

Date Analyzed (1): 10/23/2003 Date Analyzed (2): _____

Time Analyzed (1): 22:26 Time Analyzed (2): _____

Instrument ID (1): HP5890-18 Instrument ID (2): _____

GC Column (1): RTXCLPI Dia: 0.53(mm) GC Column (2): _____ Dia: ____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	FB101303	A3990005	10/25/2003	
2	FB101403	A3997804	10/25/2003	
3	GEI-3G	A3990001	10/27/2003	
4	GEI-5G	A3990002	10/25/2003	
5	GEI-6G	A3997801	10/27/2003	
6	GEI-6S	A3997802	10/25/2003	
7	Matrix Spike Blank	A3B1182501	10/23/2003	
8	W-5R	A3997803	10/25/2003	
9	W-5R	A3997803MS	10/25/2003	
10	W-5R	A3997803SD	10/25/2003	
11	WE-5S	A3990003	10/25/2003	
12	WE-6R	A3990004	10/25/2003	

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1182502

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: RA29392.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.10	U
8001-35-2	Toxaphene	0.050	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.0050	U
72-43-5	Methoxychlor		

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
METHOD BLANK SUMMARY

Client No: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1188802 Lab File ID: 9B29254.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): N Date Extracted: 10/18/2003

Date Analyzed (1): 10/29/2003 Date Analyzed (2): _____

Time Analyzed (1): 08:13 Time Analyzed (2): _____

Instrument ID (1): HP5890-9 Instrument ID (2): _____

GC Column (1): RTXCLPII Dia: 0.53(mm) GC Column (2): _____ Dia: ____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	FB101503	A3A00706	10/29/2003	
2	GEI-10G	A3A00701	10/29/2003	
3	Matrix Spike Blank	A3B1188801	10/29/2003	
4	WE-10R	A3A00702	10/29/2003	
5	WE-10S	A3A00703	10/29/2003	
6	WE-10S	A3A00703MS	10/29/2003	
7	WE-10S	A3A00703SD	10/29/2003	
8	WE-7R	A3A00704	10/29/2003	
9	WE-7S	A3A00705	10/29/2003	

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1188802

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 9B29254.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1177002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/15/2003 Time Analyzed (1): 08:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/15/2003	08:00
2	GEI-3G	A3990001	10/15/2003	08:00
3	GEI-5G	A3990002	10/15/2003	08:00
4	LCS	A3B1177001	10/15/2003	08:00
5	WE-5S	A3990003	10/15/2003	08:00
6	WE-6R	A3990004	10/15/2003	08:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1177002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/15/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1181202 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 07:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/16/2003	07:00
2	FB101503	A3A00706	10/16/2003	07:00
3	GEI-10G	A3A00701	10/16/2003	07:00
4	GEI-6G	A3997801	10/16/2003	07:00
5	GEI-6S	A3997802	10/16/2003	07:00
6	LCS	A3B1181201	10/16/2003	07:00
7	W-5R	A3997803	10/16/2003	07:00
8	W-5R	A3997803MS	10/16/2003	07:00
9	W-5R	A3997803SD	10/16/2003	07:00
10	WE-10R	A3A00702	10/16/2003	07:00
11	WE-10S	A3A00703	10/16/2003	07:00
12	WE-7R	A3A00704	10/16/2003	07:00
13	WE-7S	A3A00705	10/16/2003	07:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1176802 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/15/2003 Time Analyzed (1): 15:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	LCS	A3B1176801	10/15/2003	15:00
2	WE-5S	A3990003	10/15/2003	15:00
3	WE-6R	A3990004	10/15/2003	15:00

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1176802

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/15/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1177202 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/15/2003 Time Analyzed (1): 15:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/15/2003	15:00
2	GEI-3G	A3990001	10/15/2003	15:00
3	LCS	A3B1177201	10/15/2003	15:00

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix (soil/water): WATER Lab Sample ID: A3B1177202

Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/15/2003

omments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1181602 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 12:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/16/2003	12:30
2	GEI-5G	A3990002	10/16/2003	12:30
3	LCS	A3B1181601	10/16/2003	12:30
4	W-5R	A3997803	10/16/2003	12:30
5	W-5R	A3997803MS	10/16/2003	12:30
6	W-5R	A3997803SD	10/16/2003	12:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181602

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/16/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1181702 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 12:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-6G	A3997801	10/16/2003	12:30
2	GEI-6S	A3997802	10/16/2003	12:30
3	LCS	A3B1181701	10/16/2003	12:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/16/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1200802 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 11:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/21/2003	11:00
2	LCS	A3B1200801	10/21/2003	11:00
3	WE-10S	A3A00703	10/21/2003	11:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix (soil/water): WATER Lab Sample ID: A3B1200802

Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/21/2003

omments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1201002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 11:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-10G	A3A00701	10/21/2003	11:00
2	LCS	A3B1201001	10/21/2003	11:00
3	WE-7S	A3A00705	10/21/2003	11:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1201002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/21/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1206502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 14:45

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	LCS	A3B1206501	10/22/2003	14:45
2	WE-10R	A3A00702	10/22/2003	14:45
3	WE-7R	A3A00704	10/22/2003	14:45

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix (soil/water): WATER Lab Sample ID: A3B1206502

Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/22/2003

omments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1183502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 13:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/16/2003	13:35
2	FB101403	A3997804	10/16/2003	13:35
3	GEI-3G	A3990001	10/16/2003	13:35
4	GEI-5G	A3990002	10/16/2003	13:35
5	GEI-6G	A3997801	10/16/2003	13:35
6	GEI-6S	A3997802	10/16/2003	13:35
7	LCS	A3B1183501	10/16/2003	13:35
8	W-5R	A3997803	10/16/2003	13:35
9	W-5R	A3997803MS	10/16/2003	13:35
10	W-5R	A3997803SD	10/16/2003	13:35
11	WE-5S	A3990003	10/16/2003	13:35
12	WE-6R	A3990004	10/16/2003	13:35

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1183502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	1.0	U			325.2	10/16/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1205502 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/22/2003 Time Analyzed (1): 11:01

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/22/2003	11:01
2	GEI-10G	A3A00701	10/22/2003	11:01
3	LCS	A3B1205501	10/22/2003	11:01
4	WE-10R	A3A00702	10/22/2003	11:01
5	WE-10S	A3A00703	10/22/2003	11:01
6	WE-7R	A3A00704	10/22/2003	11:01
7	WE-7S	A3A00705	10/22/2003	11:01

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1205502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	1.0	U			325.2	10/22/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1181402 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 12:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/16/2003	12:00
2	GEI-3G	A3990001	10/16/2003	12:00
3	LCS	A3B1181401	10/16/2003	12:00
4	WE-5S	A3990003	10/16/2003	12:00
5	WE-6R	A3990004	10/16/2003	12:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181402

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/16/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1204802 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 10:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/22/2003	10:00
2	LCS	A3B1204801	10/22/2003	10:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1204802

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/22/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1172602 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/14/2003 Time Analyzed (1): 22:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/14/2003	22:00
2	GEI-3G	A3990001	10/14/2003	22:00
3	GEI-5G	A3990002	10/14/2003	22:00
4	LCS	A3B1172601	10/14/2003	22:00
5	WE-5S	A3990003	10/14/2003	22:00
6	WE-6R	A3990004	10/14/2003	22:00

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1172602

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1178202 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/15/2003 Time Analyzed (1): 22:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/15/2003	22:00
2	GEI-6G	A3997801	10/15/2003	22:00
3	GEI-6S	A3997802	10/15/2003	22:00
4	LCS	A3B1178201	10/15/2003	22:00
5	W-5R	A3997803	10/15/2003	22:00
6	W-5R	A3997803MS	10/15/2003	22:00
7	W-5R	A3997803SD	10/15/2003	22:00

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1178202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1184702 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/16/2003 Time Analyzed (1): 21:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/16/2003	21:00
2	GEI-10G	A3A00701	10/16/2003	21:00
3	LCS	A3B1184701	10/16/2003	21:00
4	WE-10R	A3A00702	10/16/2003	21:00
5	WE-10S	A3A00703	10/16/2003	21:00
6	WE-7R	A3A00704	10/16/2003	21:00
7	WE-7S	A3A00705	10/16/2003	21:00

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1184702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1186502 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/17/2003 Time Analyzed (1): 07:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-6G	A3997801	10/17/2003	07:30
2	GEI-6S	A3997802	10/17/2003	07:30
3	LCS	A3B1186501	10/17/2003	07:30
4	W-5R	A3997803	10/17/2003	07:30

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1186502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/17/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1193702 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/20/2003 Time Analyzed (1): 10:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-10G	A3A00701	10/20/2003	10:30
2	GEI-5G	A3990002	10/20/2003	10:30
3	LCS	A3B1193701	10/20/2003	10:30
4	WE-10R	A3A00702	10/20/2003	10:30
5	WE-10S	A3A00703	10/20/2003	10:30
6	WE-7R	A3A00704	10/20/2003	10:30
7	WE-7S	A3A00705	10/20/2003	10:30

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1193702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/20/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1198102 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/20/2003 Time Analyzed (1): 17:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/20/2003	17:00
2	LCS	A3B1198101	10/20/2003	17:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1198102

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/20/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1197302 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/20/2003 Time Analyzed (1): 16:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/20/2003	16:00
2	GEI-3G	A3990001	10/20/2003	16:00
3	GEI-5G	A3990002	10/20/2003	16:00
4	LCS	A3B1197301	10/20/2003	16:00
5	WE-5S	A3990003	10/20/2003	16:00
6	WE-6R	A3990004	10/20/2003	16:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1197302

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/20/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1197402 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/20/2003 Time Analyzed (1): 16:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-6S	A3997802	10/20/2003	16:00
2	LCS	A3B1197401	10/20/2003	16:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1197402

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/20/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1212902 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 13:10

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/22/2003	13:10
2	LCS	A3B1212901	10/22/2003	13:10
3	W-5R	A3997803	10/22/2003	13:10
4	W-5R	A3997803MS	10/22/2003	13:10
5	W-5R	A3997803SD	10/22/2003	13:10

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1212902

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/22/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1214902 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/23/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/23/2003	15:30
2	GEI-10G	A3A00701	10/23/2003	15:30
3	LCS	A3B1214901	10/23/2003	15:30
4	WE-10R	A3A00702	10/23/2003	15:30
5	WE-10S	A3A00703	10/23/2003	15:30
6	WE-7R	A3A00704	10/23/2003	15:30
7	WE-7S	A3A00705	10/23/2003	15:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1214902

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/23/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ıb Name: STL Buffalo Contract: _____

ıb Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ıb Sample ID: A3B1215002 Lab File ID: _____

ıtrix: (soil/water) WATER Instrument ID (1): _____

ıte Analyzed (1): 10/23/2003 Time Analyzed (1): 14:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-6G	A3997801	10/23/2003	14:47
2	LCS	A3B1215001	10/23/2003	14:47

ɔmments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1215002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/23/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1201803 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1201802	10/21/2003	15:30
2	GEI-3G	A3990001	10/21/2003	15:30
3	LCS	A3B1201801	10/21/2003	15:30
4	WE-6R	A3990004	10/21/2003	15:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1201803

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/21/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1209806 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1209805	10/22/2003	15:30
2	FB101303	A3990005	10/22/2003	15:30
3	FB101403	A3997804	10/22/2003	15:30
4	GEI-5G	A3990002	10/22/2003	15:30
5	LCS	A3B1209804	10/22/2003	15:30
6	WE-5S	A3990003	10/22/2003	15:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1209806

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/22/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

279/1028

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1214203 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/23/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1214202	10/23/2003	15:30
2	GEI-6G	A3997801	10/23/2003	15:30
3	GEI-6S	A3997802	10/23/2003	15:30
4	LCS	A3B1214201	10/23/2003	15:30

omments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1214203

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/23/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

281/1028

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1220103 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/24/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1220102	10/24/2003	15:30
2	LCS	A3B1220101	10/24/2003	15:30
3	W-5R	A3997803	10/24/2003	15:30
4	W-5R	A3997803MS	10/24/2003	15:30
5	W-5R	A3997803SD	10/24/2003	15:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix (soil/water): WATER Lab Sample ID: A3B1220103

Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/24/2003

omments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1223403 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/25/2003 Time Analyzed (1): 14:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1223402	10/25/2003	14:30
2	FB101503	A3A00706	10/25/2003	14:30
3	GEI-10G	A3A00701	10/25/2003	14:30
4	LCS	A3B1223401	10/25/2003	14:30
5	WE-10R	A3A00702	10/25/2003	14:30
6	WE-10S	A3A00703	10/25/2003	14:30
7	WE-7R	A3A00704	10/25/2003	14:30
8	WE-7S	A3A00705	10/25/2003	14:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1223403

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/25/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

285/1028

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1203702 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 19:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/21/2003	19:02
2	GEI-3G	A3990001	10/21/2003	19:02
3	GEI-5G	A3990002	10/21/2003	19:02
4	GEI-6S	A3997802	10/21/2003	19:02
5	LCS	A3B1203701	10/21/2003	19:02

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1203702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/21/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

287/1028

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1235002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/28/2003 Time Analyzed (1): 20:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/28/2003	20:20
2	GEI-6G	A3997801	10/28/2003	20:20
3	LCS	A3B1235001	10/28/2003	20:20
4	W-5R	A3997803	10/28/2003	20:20
5	W-5R	A3997803MS	10/28/2003	20:20
6	W-5R	A3997803SD	10/28/2003	20:20
7	WE-5S	A3990003	10/28/2003	20:20
8	WE-6R	A3990004	10/28/2003	20:20

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1235002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/28/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1240402 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/29/2003 Time Analyzed (1): 18:08

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/29/2003	18:08
2	GEI-10G	A3A00701	10/29/2003	18:08
3	LCS	A3B1240401	10/29/2003	18:08
4	WE-10R	A3A00702	10/29/2003	18:08
5	WE-10S	A3A00703	10/29/2003	18:08
6	WE-7R	A3A00704	10/29/2003	18:08
7	WE-7S	A3A00705	10/29/2003	18:08

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1240402

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001355

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID (Standard): X57979.RR Date Analyzed: 10/18/2003

Instrument ID: I50X-A Time Analyzed: 08:24

		IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	632230		14.71		932040		21.38		276492		7.71	
	UPPER LIMIT	1264460		15.21		1864080		21.88		552984		8.21	
	LOWER LIMIT	316115		14.21		466020		20.88		138246		7.21	
	CLIENT SAMPLE												
1	FB101303	588256		14.71		947718		21.37		273354		7.71	
2	FB101403	527858		14.71		831125		21.37		267022		7.71	
3	GEI-3G	616474		14.71		885017		21.37		266633		7.71	
4	GEI-5G	601791		14.71		853999		21.37		258256		7.71	
5	GEI-6G	638705		14.71		827421		21.37		275121		7.71	
6	GEI-6S	582320		14.71		789318		21.37		263234		7.71	
7	Matrix Spike Blank	492204		14.71		691920		21.37		238146		7.71	
8	S Blank	518340		14.71		812543		21.36		243642		7.71	
9	W-5R	569994		14.71		855939		21.37		267786		7.71	
10	W-5R	609588		14.72		828606		21.38		281260		7.71	
11	W-5R	576962		14.72		781942		21.38		260276		7.71	
12	WE-5S	585734		14.71		872018		21.36		262180		7.71	
13	WE-6R	685360		14.72		934778		21.37		303135		7.71	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001355

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID (Standard): X57979.RR Date Analyzed: 10/18/2003

Instrument ID: I50X-A Time Analyzed: 08:24

		IS4 (NPT) AREA	#	RT	#	IS5 (PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1085065		10.59		934915		17.46		774689		23.82	
	UPPER LIMIT	2170130		11.09		1869830		17.96		1549378		24.32	
	LOWER LIMIT	542533		10.09		467458		16.96		387345		23.32	
	CLIENT SAMPLE												
1	FB101303	1049765		10.59		1019027		17.46		790198		23.80	
2	FB101403	996899		10.59		900854		17.46		737802		23.81	
3	GEI-3G	1052913		10.59		976983		17.46		743866		23.81	
4	GEI-5G	1004611		10.59		934864		17.46		733584		23.81	
5	GEI-6G	1057396		10.59		929635		17.46		856574		23.83	
6	GEI-6S	995545		10.59		895095		17.46		741278		23.82	
7	Matrix Spike Blank	917451		10.59		814579		17.46		626075		23.81	
8	S Blank	927353		10.59		873305		17.45		667688		23.81	
9	W-5R	1007408		10.59		945165		17.46		754827		23.81	
10	W-5R	1074199		10.60		1016499		17.46		755731		23.82	
11	W-5R	1024067		10.60		955019		17.46		710439		23.82	
12	WE-5S	1023936		10.59		958090		17.45		717278		23.81	
13	WE-6R	1178810		10.59		1044720		17.46		848610		23.82	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001358

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID (Standard): X58010.RR Date Analyzed: 10/21/2003

Instrument ID: I50X-A Time Analyzed: 08:21

		IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	609839		14.61		813258		21.29		261056		7.62	
	UPPER LIMIT	1219678		15.11		1626516		21.79		522112		8.12	
	LOWER LIMIT	304920		14.11		406629		20.79		130528		7.12	
	CLIENT SAMPLE												
1	FB101503	643545		14.61		847568		21.28		294490		7.62	
2	GEI-10G	674271		14.61		849718		21.28		314511		7.62	
3	Matrix Spike Blank	620578		14.61		807971		21.29		284915		7.62	
4	S Blank	526821		14.61		735458		21.28		248113		7.62	
5	WE-10R	554670		14.61		762897		21.28		257734		7.62	
6	WE-10S	629923		14.61		832667		21.28		281879		7.62	
7	WE-7R	604060		14.61		809084		21.28		277231		7.62	
8	WE-7S	679961		14.63		839754		21.28		324931		7.62	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001358

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID (Standard): X58010.RR Date Analyzed: 10/21/2003

Instrument ID: I50X-A Time Analyzed: 08:21

		IS4 (NPT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1073378		10.51		901312		17.39		651324		23.70	
	UPPER LIMIT	2146756		11.01		1802624		17.89		1302648		24.20	
	LOWER LIMIT	536689		10.01		450656		16.89		325662		23.20	
	CLIENT SAMPLE												
1	FB101503	1153660		10.50		1018703		17.38		764263		23.69	
2	GEI-10G	1220125		10.50		1065010		17.39		810770		23.69	
3	Matrix Spike Blank	1138697		10.51		1014016		17.39		700624		23.70	
4	S Blank	954592		10.50		866076		17.38		629870		23.69	
5	WE-10R	999509		10.50		900331		17.38		671429		23.69	
6	WE-10S	1109265		10.50		961067		17.38		730485		23.69	
7	WE-7R	1072617		10.50		966565		17.38		719183		23.69	
8	WE-7S	1288840		10.51		1038598		17.39		795330		23.71	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

VOLATILE DATA

QC SUMMARY

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

	Client Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	FB101303	105		103		98							0
2	FB101403	104		104		100							0
3	FB101503	102		100		98							0
4	GEI-10G	107		132		104							0
5	GEI-3G	103		103		95							0
6	GEI-5G	103		96		98							0
7	GEI-6G	103		96		98							0
8	GEI-6S	105		110		98							0
9	MSB75	102		99		100							0
10	MSB83	102		113		102							0
11	MSB85	99		100		100							0
12	TB101303	107		105		93							0
13	TB101403	106		105		100							0
14	TB101503	105		99		98							0
15	VBLK75	108		102		99							0
16	VBLK83	103		92		99							0
17	VBLK84	100		96		99							0
18	VBLK85	103		96		100							0
19	W-5R	102		108		98							0
20	W-5R	101		111		100							0
21	W-5R	100		106		99							0
22	WE-10R	108		118		109							0
23	WE-10S	104		98		100							0
24	WE-5S	101		104		97							0
25	WE-6R	102		105		96							0
26	WE-7R	104		99		99							0
27	WE-7S	107		123		110							0

QC LIMITS

BFB = p-Bromofluorobenzene (67-127)
DCE = 1,2-Dichloroethane-D4 (79-146)
TOL = Toluene-D8 (86-110)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A3990007

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix Spike - Client Sample No.: ~~VBLK75~~ MSB25 10/31/2003

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acrolein	400	395	99	64 - 135
Acrylonitrile	400	399	100	53 - 143
Benzene	20.0	17.8	89	80 - 122
Dichlorobromomethane	20.0	18.3	92	81 - 118
Bromoform	20.0	18.1	91	74 - 115
Bromomethane	20.0	24.6	123	51 - 155
Carbon Tetrachloride	20.0	15.9	80	70 - 140
Chlorobenzene	20.0	18.4	92	80 - 118
Chloroethane	20.0	15.0	75	72 - 131
2-Chloroethylvinyl ether	100	98.8	99	66 - 131
Chloroform	20.0	18.1	91	81 - 123
Chloromethane	20.0	13.6	68	64 - 130
Dibromochloromethane	20.0	18.9	94	78 - 118
1,1-Dichloroethane	20.0	18.0	90	72 - 133
1,2-Dichloroethane	20.0	18.1	91	78 - 121
1,1-Dichloroethene	20.0	16.6	83	71 - 132
1,2-Dichloropropane	20.0	17.9	90	82 - 120
cis-1,3-Dichloropropene	20.0	18.9	95	81 - 118
trans-1,3-Dichloropro(1)	20.0	19.1	96	79 - 116
Ethylbenzene	20.0	18.1	91	80 - 122
Methylene chloride	20.0	18.3	83	61 - 135
1,1,2,2-Tetrachloroet(2)	20.0	19.7	98	76 - 126
Tetrachloroethene	20.0	17.0	85	40 - 145
Toluene	20.0	17.7	89	68 - 130
1,1,1-Trichloroethane	20.0	16.2	81	75 - 123
1,1,2-Trichloroethane	20.0	18.7	94	80 - 121
Trichloroethene	20.0	17.2	86	76 - 122
Vinyl chloride	20.0	14.3	72	62 - 136

1) trans-1,3-Dichloropropene
2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

Values outside of QC limits

pike recovery: 0 out of 28 outside limits

omments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A3990009

[redacted]ode: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: ~~VBLK83~~ MSB83 10/31/2003

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acrolein	400	479	120	64 - 135
Acrylonitrile	400	420	105	53 - 143
Benzene	20.0	18.1	91	80 - 122
Dichlorobromomethane	20.0	18.7	94	81 - 118
Bromoform	20.0	17.1	86	74 - 115
Bromomethane	20.0	20.7	104	51 - 155
Carbon Tetrachloride	20.0	18.9	95	70 - 140
Chlorobenzene	20.0	17.6	88	80 - 118
Chloroethane	20.0	22.7	114	72 - 131
2-Chloroethylvinyl ether	100	91.4	91	66 - 131
Chloroform	20.0	17.3	86	81 - 123
Chloromethane	20.0	18.8	94	64 - 130
Dibromochloromethane	20.0	17.7	88	78 - 118
1,1-Dichloroethane	20.0	18.8	94	72 - 133
1,2-Dichloroethane	20.0	20.1	101	78 - 121
1,1-Dichloroethene	20.0	19.8	99	71 - 132
[redacted]Dichloropropane	20.0	18.5	93	82 - 120
cis-1,3-Dichloropropene	20.0	17.7	89	81 - 118
trans-1,3-Dichloropro(1)	20.0	17.6	88	79 - 116
Ethylbenzene	20.0	17.5	88	80 - 122
Methylene chloride	20.0	18.7	88	61 - 135
1,1,2,2-Tetrachloroet(2)	20.0	17.5	88	76 - 126
Tetrachloroethene	20.0	17.7	89	40 - 145
Toluene	20.0	17.8	89	68 - 130
1,1,1-Trichloroethane	20.0	16.3	82	75 - 123
1,1,2-Trichloroethane	20.0	18.1	91	80 - 121
Trichloroethene	20.0	18.3	92	76 - 122
Vinyl chloride	20.0	21.3	106	62 - 136

(1) trans-1,3-Dichloropropene
(2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

Values outside of QC limits

Spike recovery: 0 out of 28 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997809

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: ~~VBLK85~~ MS 5A385 MSD 10/31/2003

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Acrolein	400	388	97		64 - 135
Acrylonitrile	400	387	97		53 - 143
Benzene	20.0	19.1	96		80 - 122
Dichlorobromomethane	20.0	18.7	94		81 - 118
Bromoform	20.0	17.0	85		74 - 115
Bromomethane	20.0	18.2	91		51 - 155
Carbon Tetrachloride	20.0	18.4	92		70 - 140
Chlorobenzene	20.0	18.6	93		80 - 118
Chloroethane	20.0	20.4	102		72 - 131
2-Chloroethylvinyl ether	100	100	101		66 - 131
Chloroform	20.0	19.2	96		81 - 123
Chloromethane	20.0	15.8	79		64 - 130
Dibromochloromethane	20.0	18.2	91		78 - 118
1,1-Dichloroethane	20.0	18.5	92		72 - 133
1,2-Dichloroethane	20.0	18.7	94		78 - 121
1,1-Dichloroethene	20.0	18.2	91		71 - 132
1,2-Dichloropropane	20.0	19.2	96		82 - 120
cis-1,3-Dichloropropene	20.0	19.0	95		81 - 118
trans-1,3-Dichloropro(1)	20.0	17.9	90		79 - 116
Ethylbenzene	20.0	18.6	93		80 - 122
Methylene chloride	20.0	18.5	93		61 - 135
1,1,2,2-Tetrachloroet(2)	20.0	19.0	95		76 - 126
Tetrachloroethene	20.0	18.0	90		40 - 145
Toluene	20.0	18.9	95		68 - 130
1,1,1-Trichloroethane	20.0	18.1	91		75 - 123
1,1,2-Trichloroethane	20.0	18.9	95		80 - 121
Trichloroethene	20.0	19.2	96		76 - 122
Vinyl chloride	20.0	16.9	84		62 - 136

(1) trans-1,3-Dichloropropene
(2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 28 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Acrolein	2000	0	1890	94	64 - 135
Acrylonitrile	2000	0	2144	107	53 - 143
Benzene	100	0	94.9	95	80 - 122
Dichlorobromomethane	100	0	97.1	97	81 - 118
Bromoform	100	0	82.4	82	74 - 115
Bromomethane	100	0	101	102	51 - 155
Carbon Tetrachloride	100	0	102	102	70 - 140
Chlorobenzene	100	0	92.5	92	80 - 118
Chloroethane	100	0	85.8	86	72 - 131
2-Chloroethylvinyl ether	500	0	0	0 *	66 - 131
Chloroform	100	0	106	106	81 - 123
Chloromethane	100	0	76.9	77	64 - 130
Dibromochloromethane	100	0	89.8	90	78 - 118
1,1-Dichloroethane	100	0	98.0	98	72 - 133
1,2-Dichloroethane	100	0	103	104	78 - 121
1,1-Dichloroethene	100	0	100	101	71 - 132
1,2-Dichloropropane	100	0	94.7	95	82 - 120
cis-1,3-Dichloropropene	100	0	86.3	86	81 - 118
trans-1,3-Dichloropro(1)	100	0	85.6	86	79 - 116
Ethylbenzene	100	0	91.6	92	80 - 122
Methylene chloride	100	0	96.1	96	61 - 135
1,1,2,2-Tetrachloroet(2)	100	0	91.5	92	76 - 126
Tetrachloroethene	100	0	87.5	88	40 - 145
Toluene	100	0	90.9	91	68 - 130
1,1,1-Trichloroethane	100	0	98.7	99	75 - 123
1,1,2-Trichloroethane	100	0	94.1	94	80 - 121
Trichloroethene	100	0	95.2	95	76 - 122
Vinyl chloride	100	0	89.7	90	62 - 136

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acrolein	2000	1820	91	3	20	64 - 135
Acrylonitrile	2000	2075	104	3	20	53 - 143
Benzene	100	93.9	94	1	17	80 - 122
Bromodichloromethane	100	96.9	97	0	15	81 - 118
Bromoform	100	83.1	83	1	15	74 - 115
Bromomethane	100	105	105	3	15	51 - 155
Carbon Tetrachloride	100	96.2	96	6	15	70 - 140
Chlorobenzene	100	90.9	91	1	34	80 - 118
Chloroethane	100	120	120	33 *	15	72 - 131
2-Chloroethylvinyl ether	500	0	0 *	0	15	66 - 131
Chloroform	100	102	103	3	23	81 - 123

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Chloromethane	100	90.8	91		17	*	15	64 - 130
Dibromochloromethane	100	90.8	91		1		15	78 - 118
1,1-Dichloroethane	100	103	104		6		15	72 - 133
1,2-Dichloroethane	100	103	103		1		15	78 - 121
1,1-Dichloroethene	100	95.1	95		6		15	71 - 132
1,2-Dichloropropane	100	95.5	96		1		15	82 - 120
cis-1,3-Dichloropropene	100	89.0	89		3		15	81 - 118
trans-1,3-Dichloropro(1)	100	88.2	88		2		15	79 - 116
Ethylbenzene	100	91.5	92		0		6	80 - 122
Methylene chloride	100	94.3	94		2		23	61 - 135
1,1,2,2-Tetrachloroet(2)	100	91.3	91		1		15	76 - 126
Tetrachloroethene	100	86.5	86		2		15	40 - 145
Toluene	100	91.3	91		0		15	68 - 130
1,1,1-Trichloroethane	100	94.9	95		4		15	75 - 123
1,1,2-Trichloroethane	100	93.9	94		0		15	80 - 121
Trichloroethene	100	93.3	93		2		17	76 - 122
Vinyl chloride	100	88.5	88		2		15	62 - 136

1) trans-1,3-Dichloropropene
2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

Values outside of QC limits

RPD: 2 out of 28 outside limits
Spike recovery: 2 out of 56 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK75

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: Q3202.RR Lab Sample ID: A3990007

Date Analyzed: 10/14/2003 Time Analyzed: 15:07

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973Q

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FB101303	A3990005	Q3220.RR	00:41
2	GEI-3G	A3990001	Q3228.RR	04:32
3	MSB75	A3990008	Q3201.RR	14:38
4	TB101303	A3990006	Q3219.RR	00:13
5	WE-5S	A3990003	Q3226.RR	03:34
6	WE-6R	A3990004	Q3225.RR	03:05

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: R2078.RR Lab Sample ID: A3990009

Date Analyzed: 10/16/2003 Time Analyzed: 19:59

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GEI-5G	A3990002	R2080.RR	20:30
2	MSB83	A3990010	R2111.RR	10:14
3	TB101403	A3997805	R2092.RR	23:32
4	W-5R	A3997803	R2088.RR	22:31
5	W-5R	A3997803SD	R2090.RR	23:01
6	WE-10R	A3A00702	R2118.RR	12:48

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK84

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: R2079.RR Lab Sample ID: A3997808

Date Analyzed: 10/16/2003 Time Analyzed: 20:15

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FB101403	A3997804	R2091.RR	23:16
2	GEI-10G	A3A00701	R2117.RR	12:31
3	GEI-6S	A3997802	R2087.RR	22:16
4	W-5R	A3997803MS	R2089.RR	22:46
5	WE-7S	A3A00705	R2121.RR	13:35

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK85

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: R2135.RR Lab Sample ID: A3997809

Date Analyzed: 10/20/2003 Time Analyzed: 16:01

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FB101503	A3A00706	R2141.RR	19:14
2	GEI-6G	A3997801	R2137.RR	17:23
3	MSB85	A3997810	R2134.RR	15:33
4	TB101503	A3A00707	R2142.RR	19:42
5	WE-10S	A3A00703	R2139.RR	18:19
6	WE-7R	A3A00704	R2140.RR	18:47

Comments: _____

WASTE MANAGEMENT - CLOSED SITES
KIN-BUC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Name: STL Buffalo Contract: _____ Tune ID: A3T0002558

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: Q3196 BFB Injection Date: 10/14/2003

Instrument ID: HP5973Q BFB Injection Time: 12:12

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	23.7		
75	30.0 - 60.0% of mass 95	46.2		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.4		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50 - 120 % of mass 95	59.1		
175	5.0 - 9.0% of mass 174	5.3	(9.0)	1
176	95.0 - 101.0% of mass 174	58.0	(98.2)	1
177	5.0 - 9.0% of mass 176	3.7	(6.3)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A3I0001341-1	Q3197.RR	10/14/2003	12:40
2	VSTD050	A3I0001341-1	Q3198.RR	10/14/2003	13:09
3	VSTD100	A3I0001341-1	Q3199.RR	10/14/2003	13:38
4	MSB75	A3990008	Q3201.RR	10/14/2003	14:38
5	VBLK75	A3990007	Q3202.RR	10/14/2003	15:07
6	TB101303	A3990006	Q3219.RR	10/15/2003	00:13
7	FB101303	A3990005	Q3220.RR	10/15/2003	00:41
8	WE-6R	A3990004	Q3225.RR	10/15/2003	03:05
9	WE-5S	A3990003	Q3226.RR	10/15/2003	03:34
10	GEI-3G	A3990001	Q3228.RR	10/15/2003	04:32

WASTE MANAGEMENT - CLOSED SITES
KIN-BUC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL Buffalo Contract: _____ Tune ID: A3T000258[illegible]

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: R2066 BFB Injection Date: 10/16/2003

Instrument ID: HP5973R BFB Injection Time: 15:24

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	16.7		
75	30.0 - 60.0% of mass 95	55.4		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.3		
173	Less than 2.0% of mass 174	0.3	(0.4)	1
174	50 - 120 % of mass 95	62.9		
175	5.0 - 9.0% of mass 174	4.3	(6.9)	1
176	95.0 - 101.0% of mass 174	60.9	(96.8)	1
177	5.0 - 9.0% of mass 176	4.4	(7.3)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A3I0001348-1	R2070.RR	10/16/2003	16:36
2	VSTD100	A3I0001348-1	R2071.RR	10/16/2003	16:51
3	VSTD005	A3I0001348-1	R2073.RR	10/16/2003	18:20
4	VBLK83	A3990009	R2078.RR	10/16/2003	19:59
5	VBLK84	A3997808	R2079.RR	10/16/2003	20:15
6	GEI-5G	A3990002	R2080.RR	10/16/2003	20:30
7	GEI-6S	A3997802	R2087.RR	10/16/2003	22:16
8	W-5R	A3997803	R2088.RR	10/16/2003	22:31
9	W-5R	A3997803MS	R2089.RR	10/16/2003	22:46
10	W-5R	A3997803SD	R2090.RR	10/16/2003	23:01
11	FB101403	A3997804	R2091.RR	10/16/2003	23:16
12	TB101403	A3997805	R2092.RR	10/16/2003	23:32
13	MSB83	A3990010	R2111.RR	10/17/2003	10:14
14	GEI-10G	A3A00701	R2117.RR	10/17/2003	12:31
15	WE-10R	A3A00702	R2118.RR	10/17/2003	12:48
16	WE-7S	A3A00705	R2121.RR	10/17/2003	13:35

WASTE MANAGEMENT - CLOSED SITES
KIN-BUC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Name: STL Buffalo Contract: _____ Tune ID: A3T0002603

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: R2128 BFB Injection Date: 10/20/2003

Instrument ID: HP5973R BFB Injection Time: 12:29

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	18.1		
75	30.0 - 60.0% of mass 95	54.1		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.9		
173	Less than 2.0% of mass 174	0.3	(0.5)	1
174	50 - 120 % of mass 95	67.8		
175	5.0 - 9.0% of mass 174	4.1	(6.0)	1
176	95.0 - 101.0% of mass 174	66.5	(98.1)	1
177	5.0 - 9.0% of mass 176	3.7	(5.5)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD100	A3I0001357-1	R2129.RR	10/20/2003	12:49
2	VSTD005	A3I0001357-1	R2131.RR	10/20/2003	13:21
3	VSTD050	A3I0001357-1	R2132.RR	10/20/2003	14:25
4	MSB85	A3997810	R2134.RR	10/20/2003	15:33
5	VBLK85	A3997809	R2135.RR	10/20/2003	16:01
6	GEI-6G	A3997801	R2137.RR	10/20/2003	17:23
7	WE-10S	A3A00703	R2139.RR	10/20/2003	18:19
8	WE-7R	A3A00704	R2140.RR	10/20/2003	18:47
9	FB101503	A3A00706	R2141.RR	10/20/2003	19:14
10	TB101503	A3A00707	R2142.RR	10/20/2003	19:42

SAMPLE DATA

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3220.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

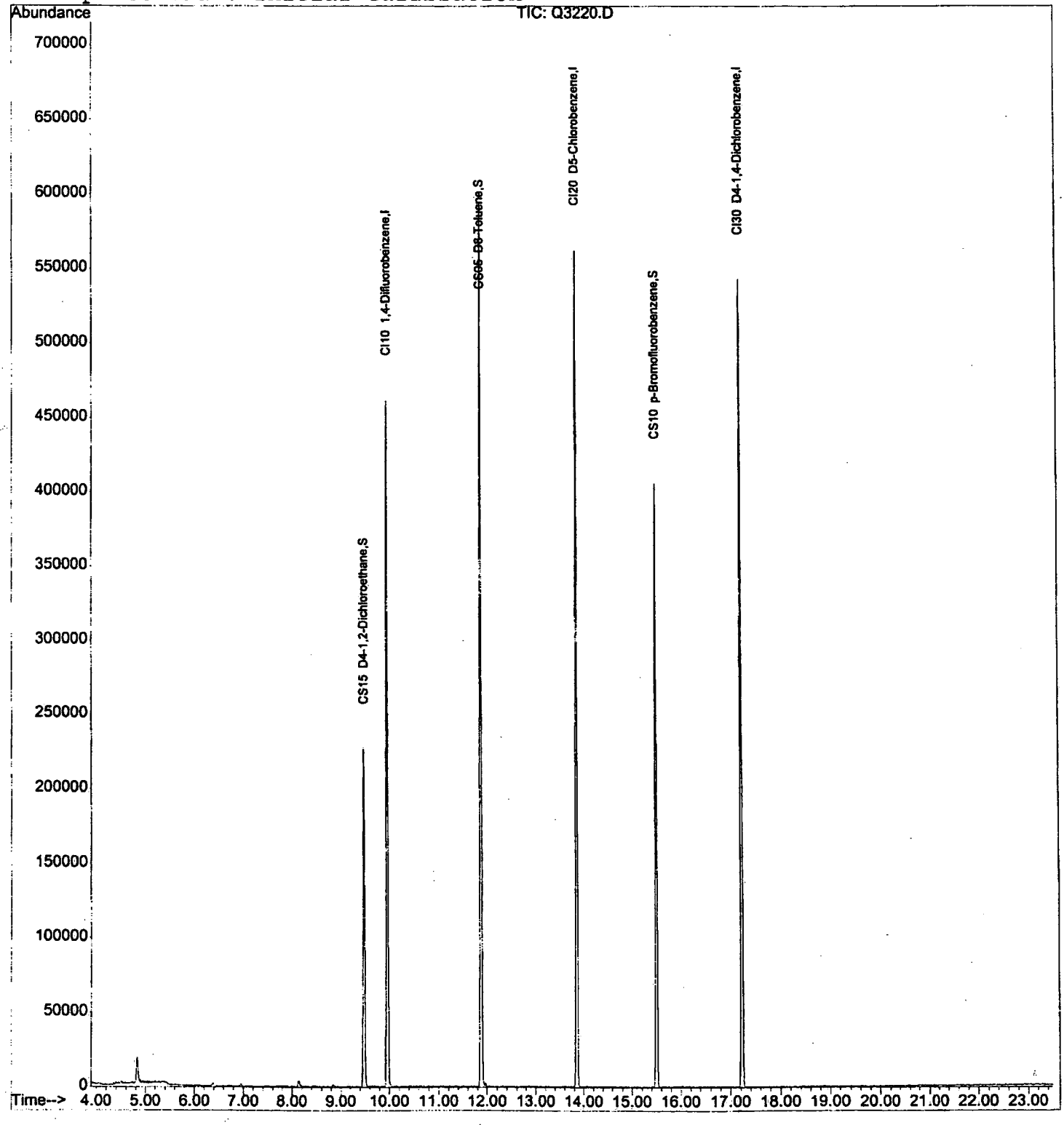
Quantitation Report

Data File : H:\GCMS_VOA\Q\101403\Q3220.D
Acq On : 15 Oct 2003 00:41
Sample : A3990005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:58 2003

Vial: 25
Operator: DGP
Inst : HP5973 Q
Multiplr: 1.00

Quant Results File: Q101403.RES

Method : C:\HPCHEM\1\METHODS\Q624\Q101403.M (RTE Integrator)
Title : 624 WATER
Last Update : Tue Oct 14 18:44:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997804

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2091.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

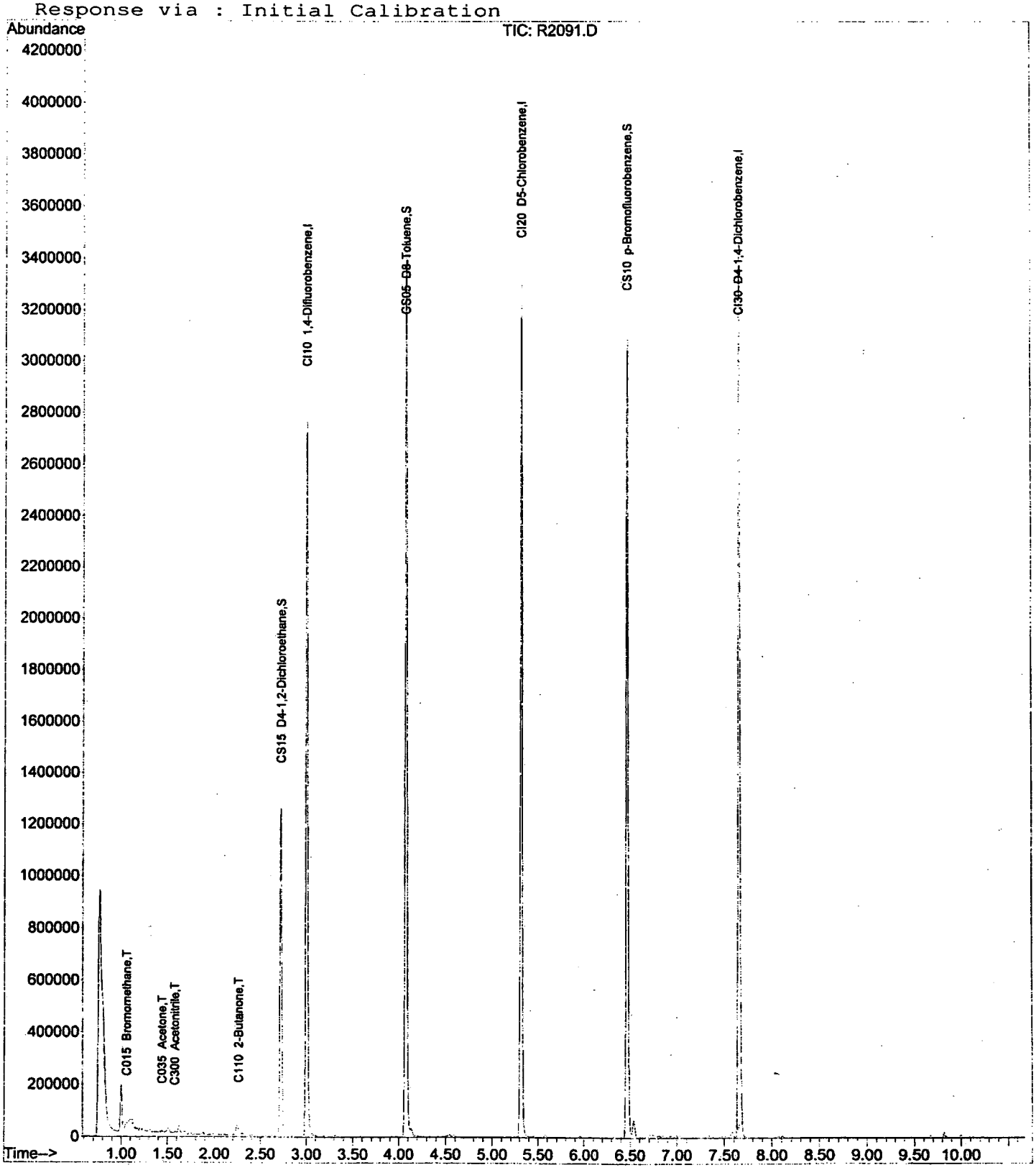
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2091.D
Acq On : 16 Oct 2003 23:16
Sample : A3997804 E2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 8:58 2003

Vial: 27
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: FB101503

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00706

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2141.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

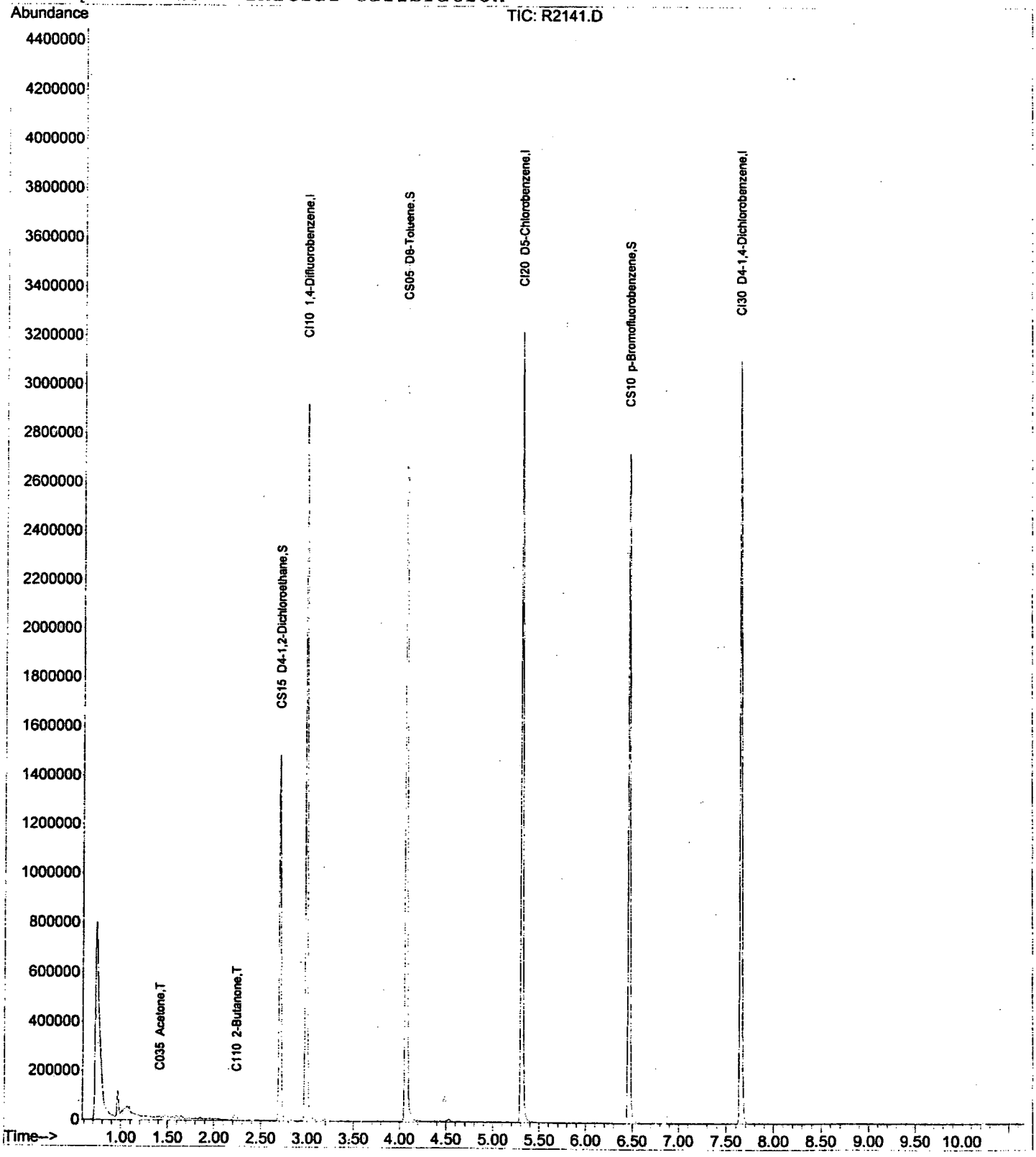
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\102003\R2141.D
Acq On : 20 Oct 2003 19:14
Sample : A3A00706
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 21 8:21 2003

Vial: 6
Operator: JRS
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Mon Oct 20 15:53:46 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2117.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	150	
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	180	
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

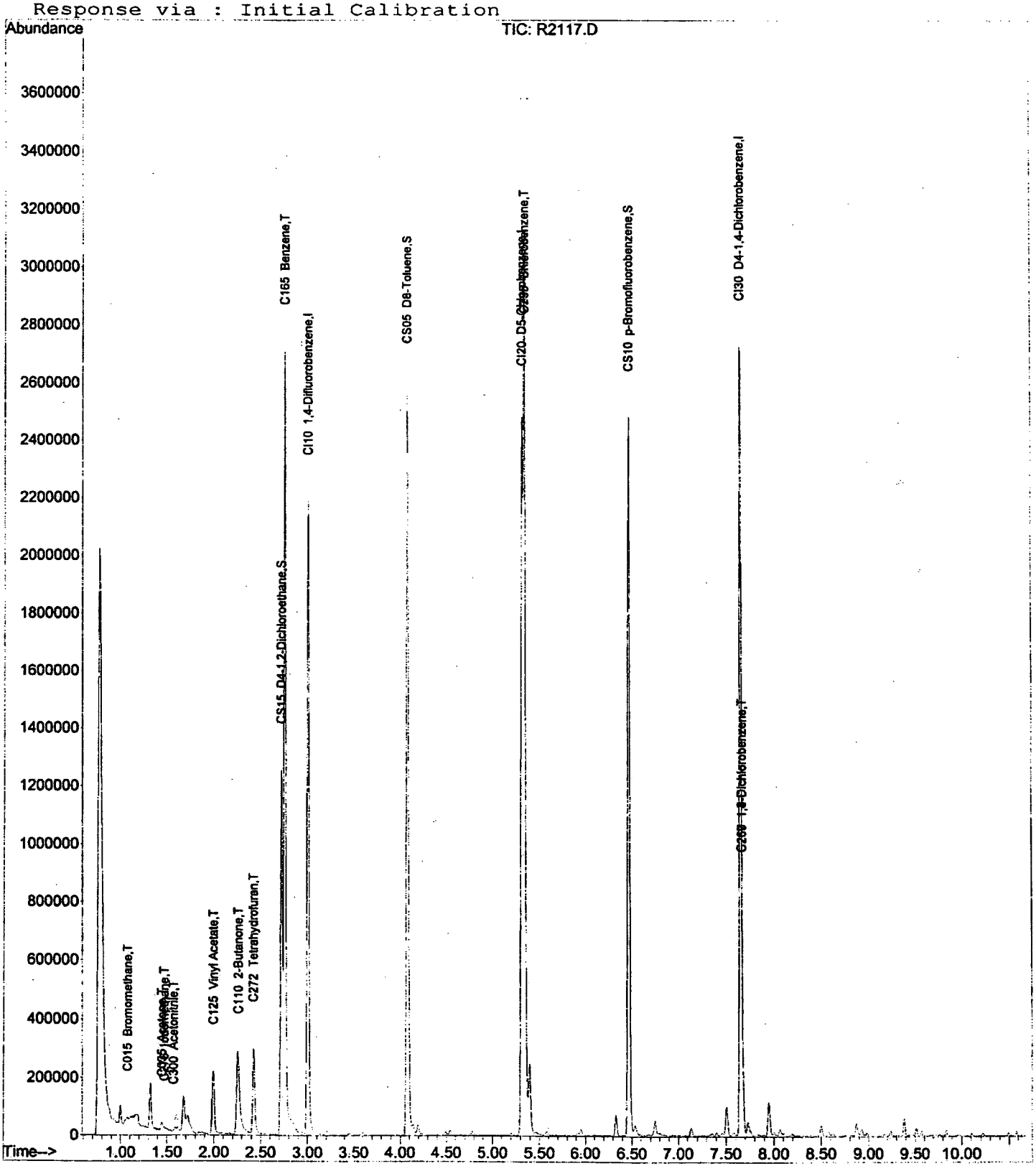
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2117.D
Acq On : 17 Oct 2003 12:31
Sample : A3A00701 DF5 A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 14:15 2003

Vial: 53
Operator: PC
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Fri Oct 17 10:34:16 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3228.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

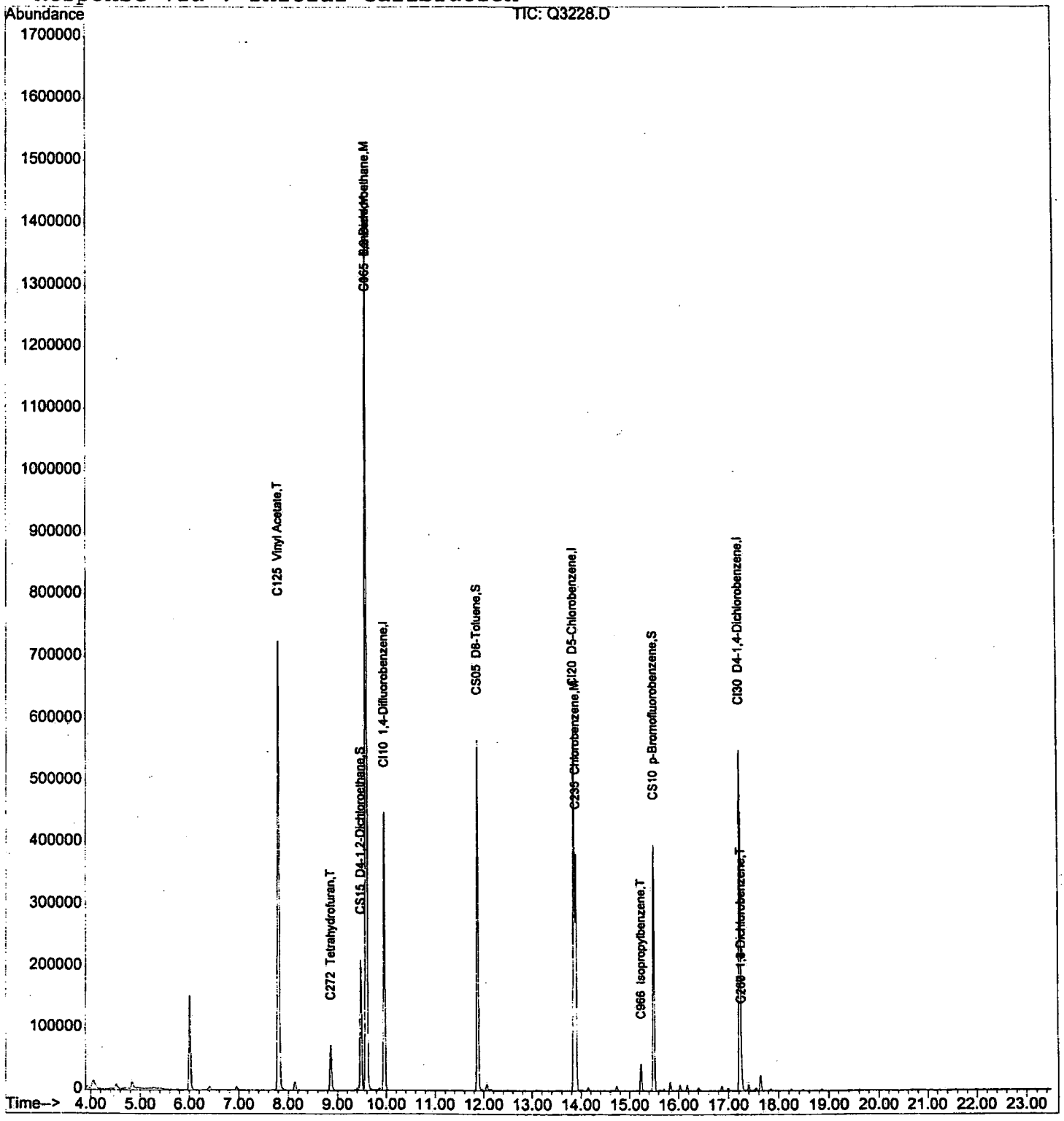
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	280	
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	77	
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

Quantitation Report

Data File : H:\GCMS_VOA\Q\101403\Q3228.D Vial: 33
Acq On : 15 Oct 2003 4:32 Operator: DGP
Sample : A3990001 DF5 Inst : HP5973 Q
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 10:00 2003 Quant Results File: Q101403.RES

Method : C:\HPCHEM\1\METHODS\Q624\Q101403.M (RTE Integrator)
Title : 624 WATER
Last Update : Tue Oct 14 18:44:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2080.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

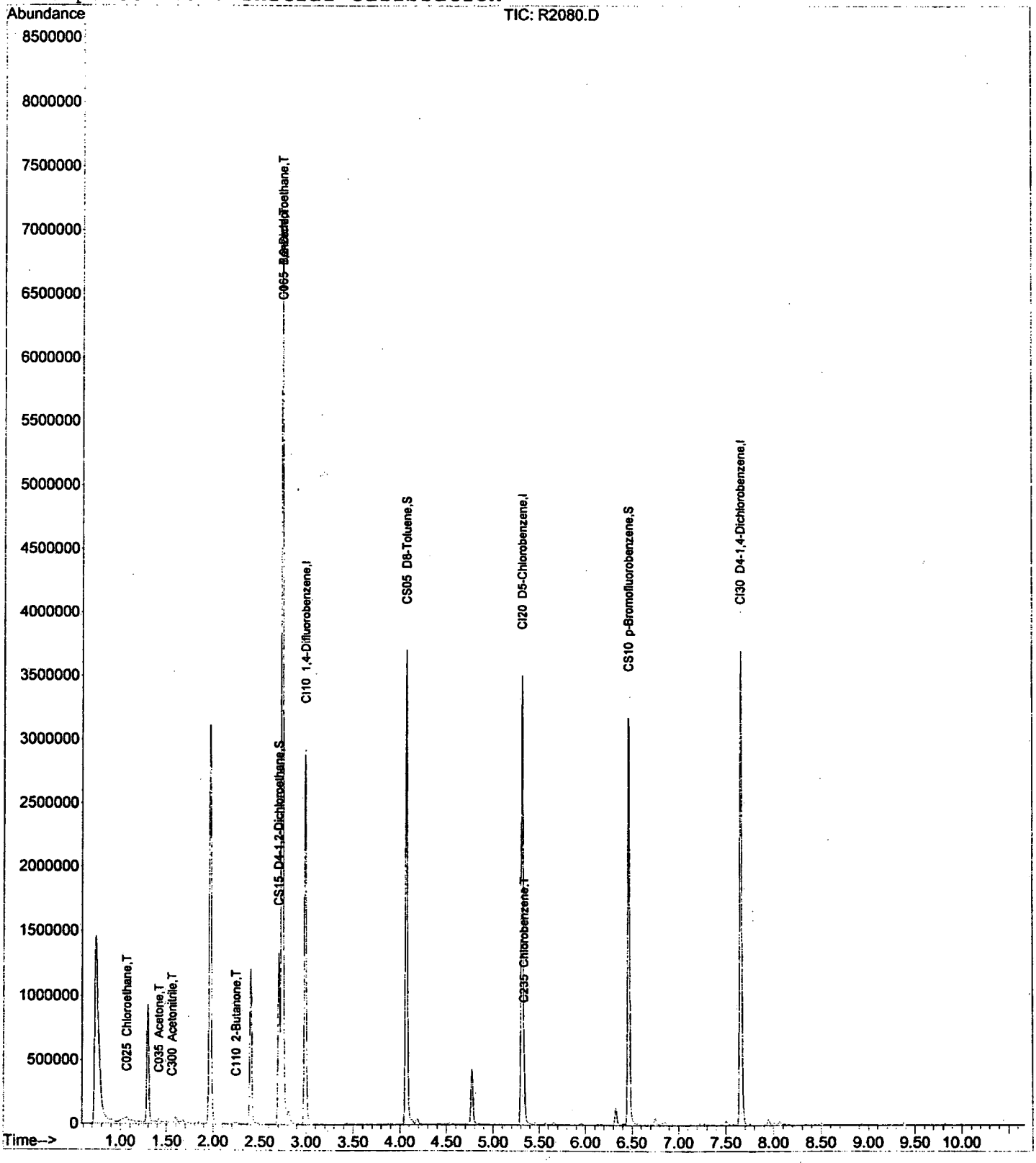
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	8000	U
107-13-1	Acrylonitrile	8000	U
71-43-2	Benzene	1100	
75-27-4	Dichlorobromomethane	44	U
75-25-2	Bromoform	94	U
74-83-9	Bromomethane	200	U
56-23-5	Carbon Tetrachloride	56	U
108-90-7	Chlorobenzene	120	U
75-00-3	Chloroethane	200	U
110-75-8	2-Chloroethylvinyl ether	290	U
67-66-3	Chloroform	32	U
74-87-3	Chloromethane	200	U
124-48-1	Dibromochloromethane	62	U
75-34-3	1,1-Dichloroethane	94	U
107-06-2	1,2-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	56	U
540-59-0	1,2-Dichloroethene (Total)	100	U
78-87-5	1,2-Dichloropropane	120	U
10061-01-5	cis-1,3-Dichloropropene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
100-41-4	Ethylbenzene	140	U
75-09-2	Methylene chloride	70	U
79-34-5	1,1,2,2-Tetrachloroethane	140	U
127-18-4	Tetrachloroethene	82	U
108-88-3	Toluene	120	U
71-55-6	1,1,1-Trichloroethane	76	U
79-00-5	1,1,2-Trichloroethane	100	U
79-01-6	Trichloroethene	38	U
75-01-4	Vinyl chloride	200	U

Data File : H:\GCMS_VOA\R\101603\R2080.D
Acq On : 16 Oct 2003 20:30
Sample : A3990002 DF20 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:11 2003

Vial: 16
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997801

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2137.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	4000	U
107-13-1	Acrylonitrile	4000	U
71-43-2	Benzene	44	U
75-27-4	Dichlorobromomethane	22	U
75-25-2	Bromoform	47	U
74-83-9	Bromomethane	100	U
56-23-5	Carbon Tetrachloride	28	U
108-90-7	Chlorobenzene	60	U
75-00-3	Chloroethane	100	U
110-75-8	2-Chloroethylvinyl ether	150	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	31	U
75-34-3	1,1-Dichloroethane	47	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	28	U
540-59-0	1,2-Dichloroethene (Total)	50	U
78-87-5	1,2-Dichloropropane	60	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	72	U
75-09-2	Methylene chloride	35	U
79-34-5	1,1,2,2-Tetrachloroethane	69	U
127-18-4	Tetrachloroethene	41	U
108-88-3	Toluene	60	U
71-55-6	1,1,1-Trichloroethane	38	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	19	U
75-01-4	Vinyl chloride	100	U

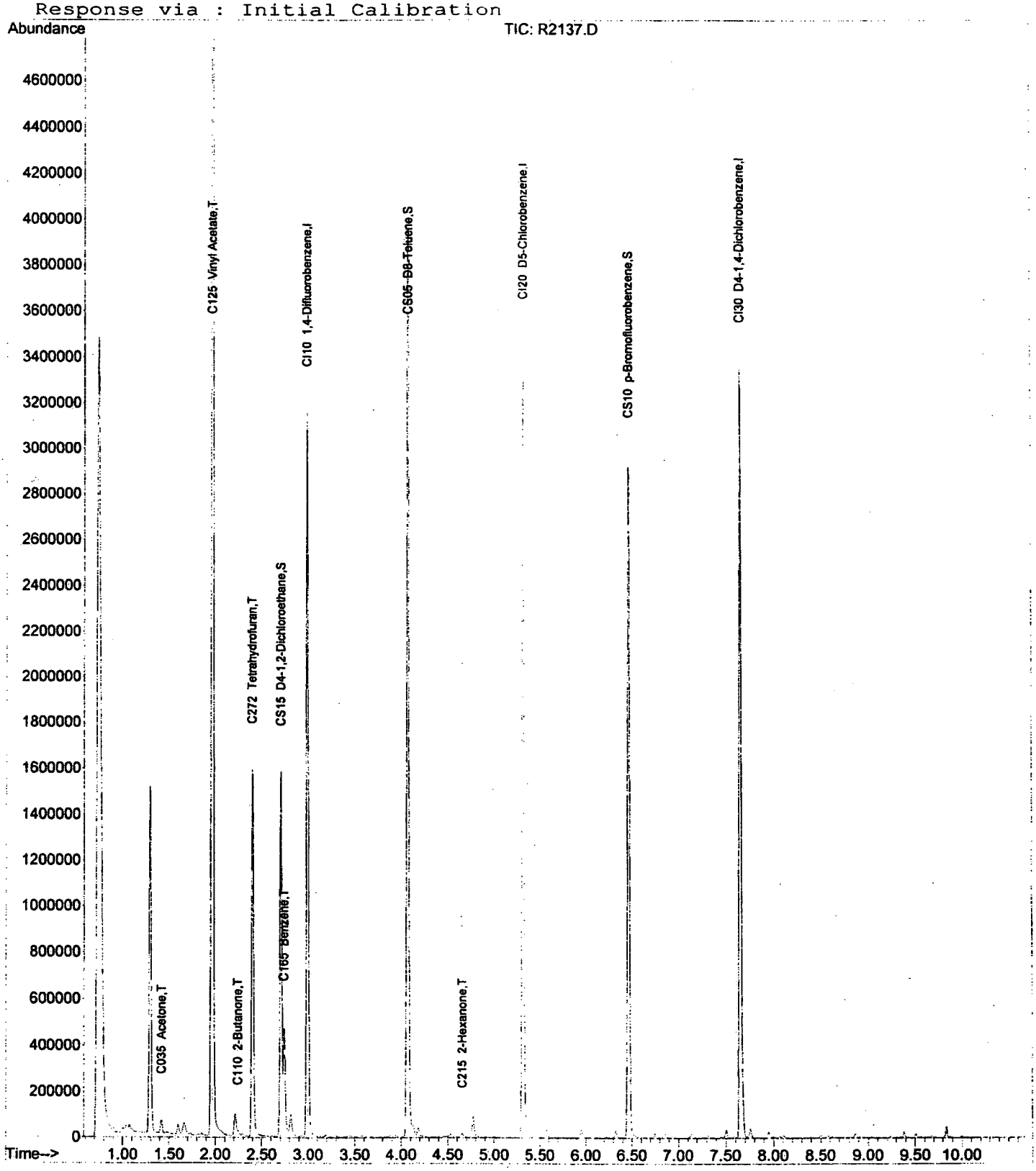
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\102003\R2137.D
Acq On : 20 Oct 2003 17:23
Sample : A3997801 DF-10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 21 8:20 2003

Vial: 2
Operator: JRS
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Mon Oct 20 15:53:46 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997802

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2087.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	4000	U
107-13-1	Acrylonitrile	4000	U
71-43-2	Benzene	97	
75-27-4	Dichlorobromomethane	22	U
75-25-2	Bromoform	47	U
74-83-9	Bromomethane	100	U
56-23-5	Carbon Tetrachloride	28	U
108-90-7	Chlorobenzene	60	U
75-00-3	Chloroethane	100	U
110-75-8	2-Chloroethylvinyl ether	150	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	31	U
75-34-3	1,1-Dichloroethane	47	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	28	U
540-59-0	1,2-Dichloroethene (Total)	50	U
78-87-5	1,2-Dichloropropane	60	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	72	U
75-09-2	Methylene chloride	35	U
79-34-5	1,1,2,2-Tetrachloroethane	69	U
127-18-4	Tetrachloroethene	41	U
108-88-3	Toluene	60	U
71-55-6	1,1,1-Trichloroethane	38	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	19	U
75-01-4	Vinyl chloride	100	U

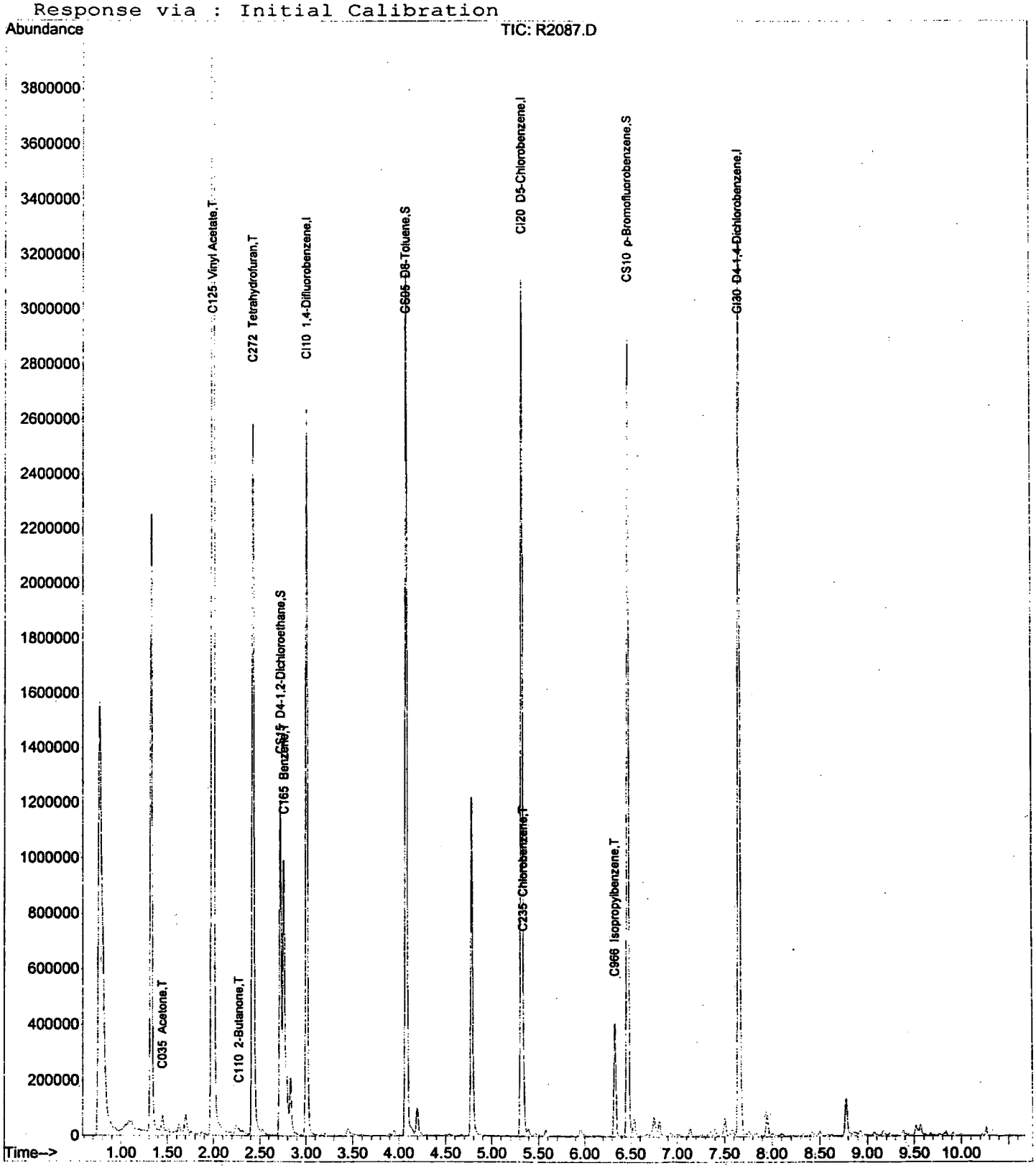
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2087.D
Acq On : 16 Oct 2003 22:16
Sample : A3997802 DF10 E2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 8:57 2003

Vial: 23
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

TB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990006

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3219.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

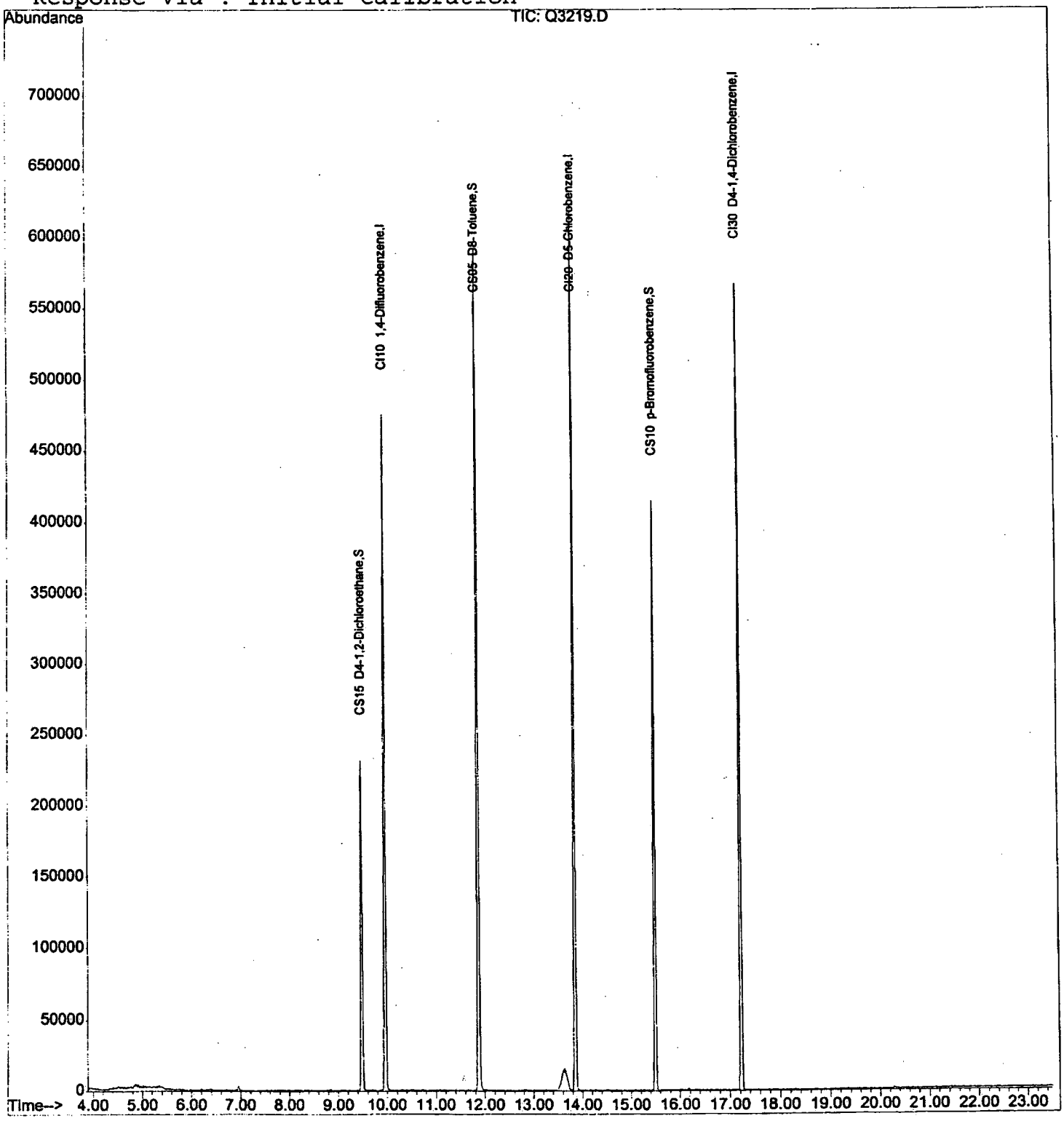
Quantitation Report

Data File : H:\GCMS_VOA\Q\101403\Q3219.D
Acq On : 15 Oct 2003 00:13
Sample : A3990006
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:58 2003

Vial: 24
Operator: DGP
Inst : HP5973 Q
Multiplr: 1.00

Quant Results File: Q101403.RES

Method : C:\HPCHEM\1\METHODS\Q624\Q101403.M (RTE Integrator)
Title : 624 WATER
Last Update : Tue Oct 14 18:44:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: TB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997805

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2092.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

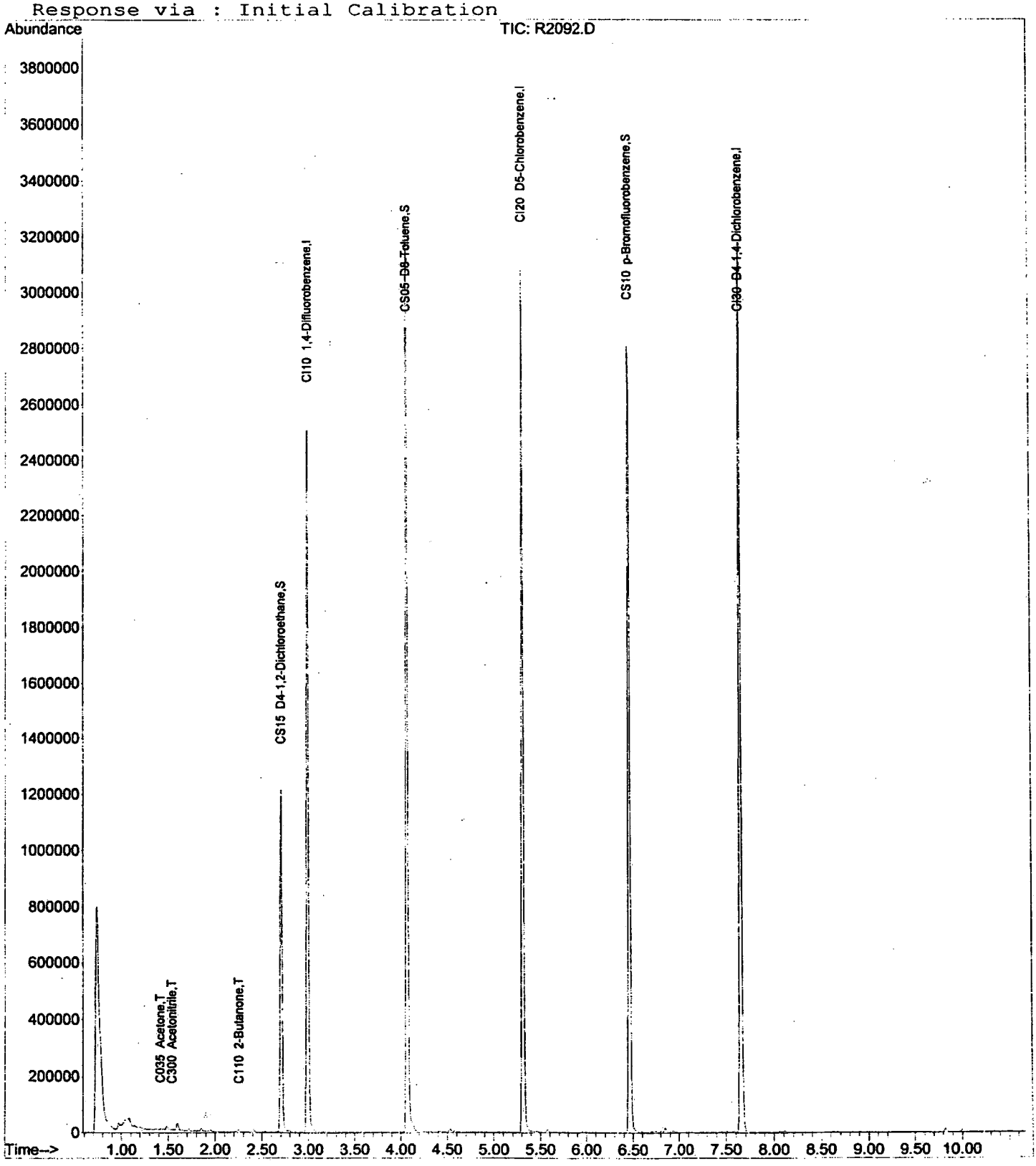
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

Data File : H:\GCMS_VOA\R\101603\R2092.D
Acq On : 16 Oct 2003 23:32
Sample : A3997805 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:16 2003

Vial: 28
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: TB101503

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00707

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2142.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

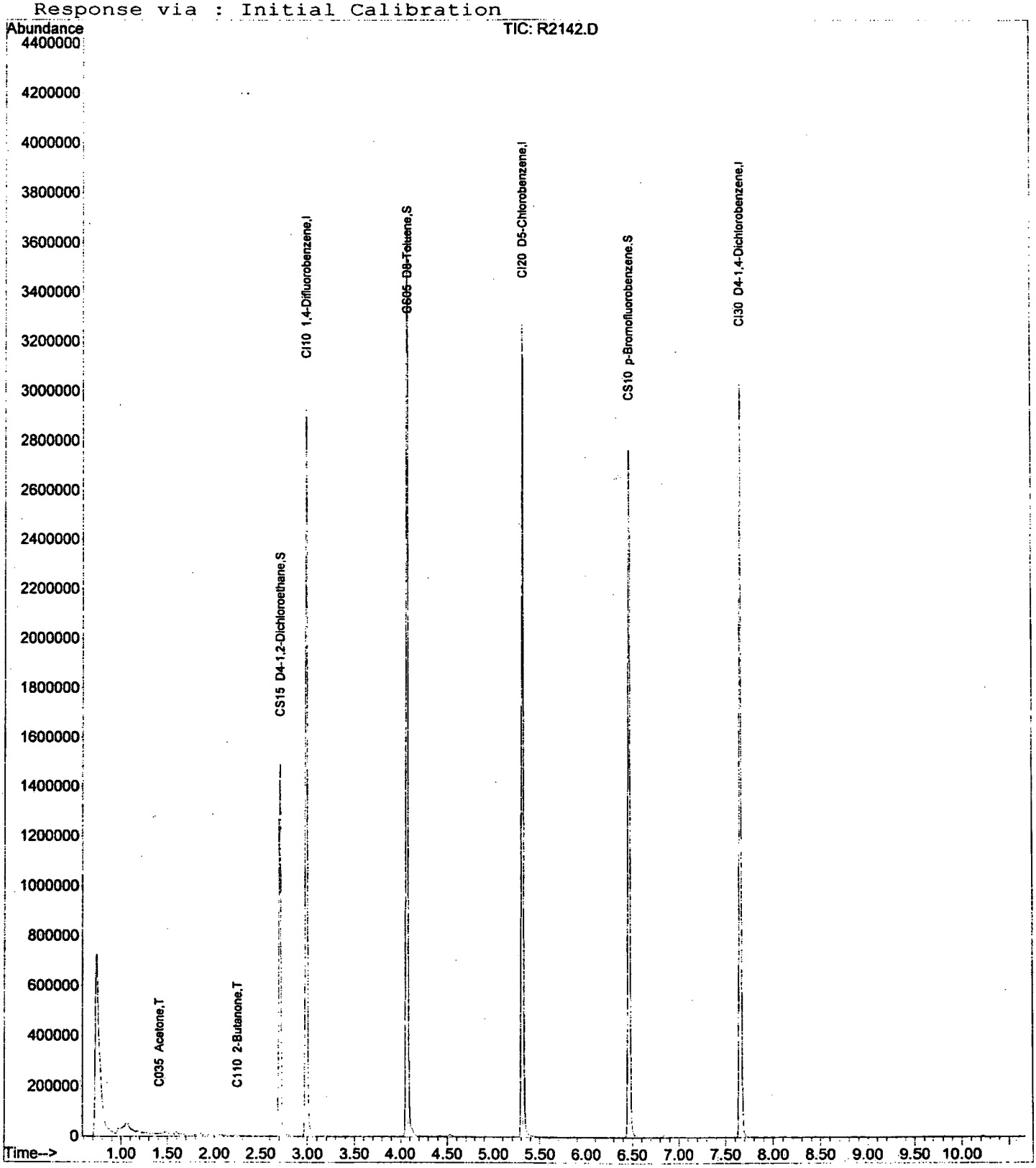
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\102003\R2142.D
Acq On : 20 Oct 2003 19:42
Sample : A3A00707
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 21 8:21 2003

Vial: 7
Operator: JRS
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Mon Oct 20 15:53:46 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2088.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

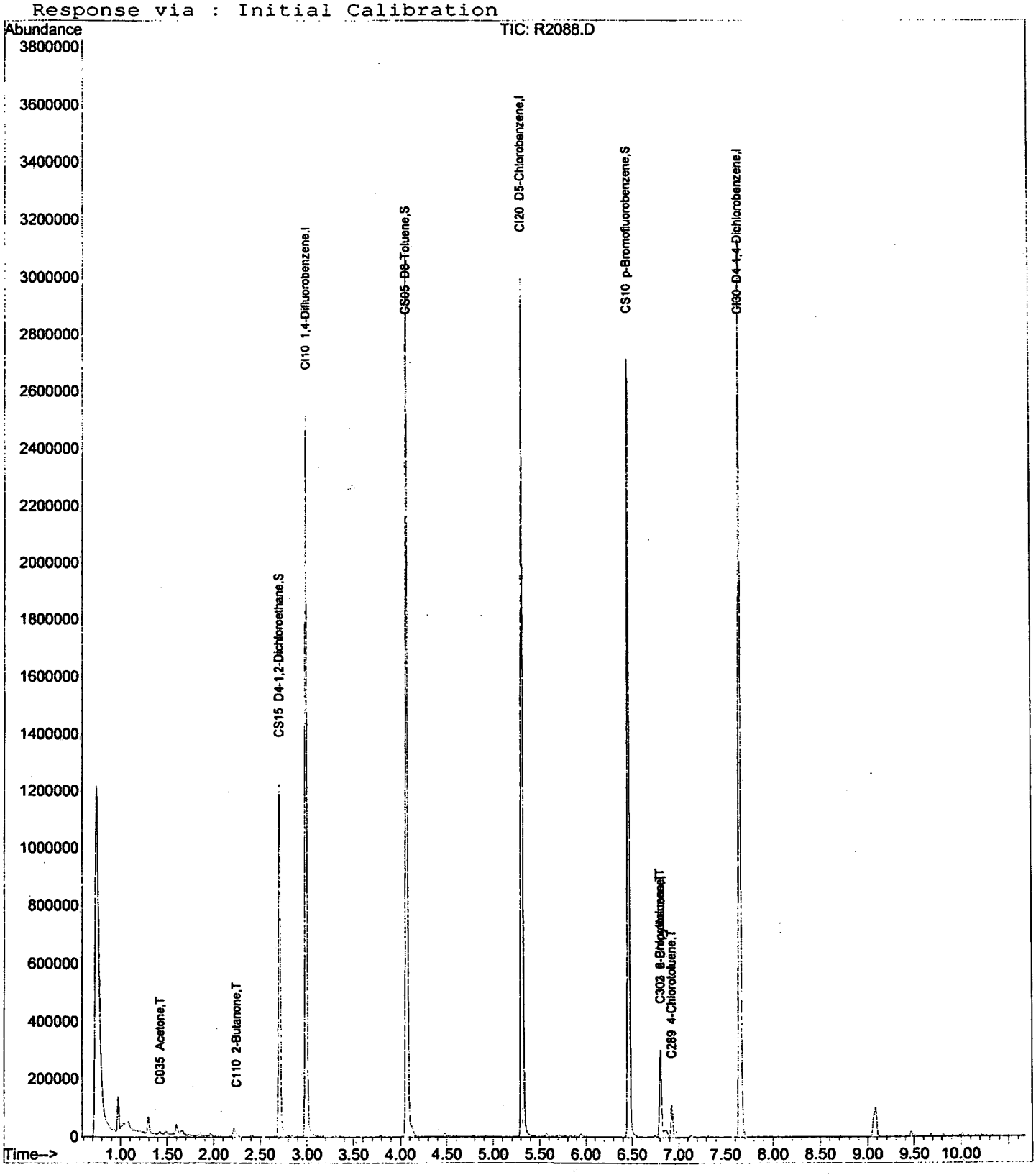
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	22	U
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	30	U
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2088.D
Acq On : 16 Oct 2003 22:31
Sample : A3997803 DF5 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:14 2003

Vial: 24
Operator: DGP
Inst : HP5973R
Multiplr: 1.00
Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2118.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	800	U
107-13-1	Acrylonitrile	800	U
71-43-2	Benzene	9	U
75-27-4	Dichlorobromomethane	4	U
75-25-2	Bromoform	9	U
74-83-9	Bromomethane	20	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	20	U
110-75-8	2-Chloroethylvinyl ether	29	U
67-66-3	Chloroform	3	U
74-87-3	Chloromethane	20	U
124-48-1	Dibromochloromethane	6	U
75-34-3	1,1-Dichloroethane	9	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	6	U
540-59-0	1,2-Dichloroethene (Total)	10	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	14	U
75-09-2	Methylene chloride	7	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
127-18-4	Tetrachloroethene	8	U
108-88-3	Toluene	12	U
71-55-6	1,1,1-Trichloroethane	8	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	4	U
75-01-4	Vinyl chloride	20	U

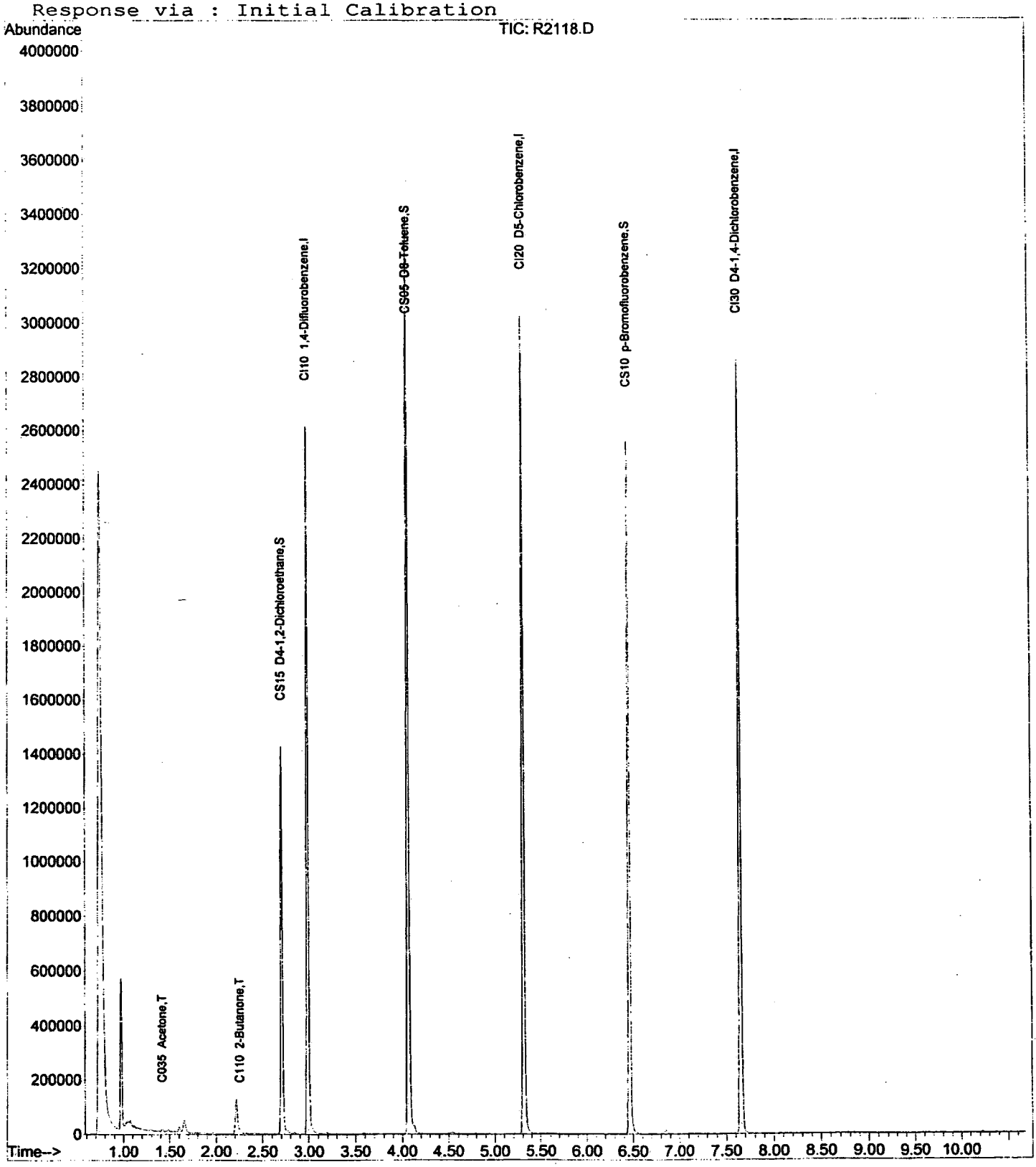
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2118.D
Acq On : 17 Oct 2003 12:48
Sample : A3A00702 DF2 A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 14:33 2003

Vial: 54
Operator: PC
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Fri Oct 17 10:34:16 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2139.RR

Level: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	22	U
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	30	U
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

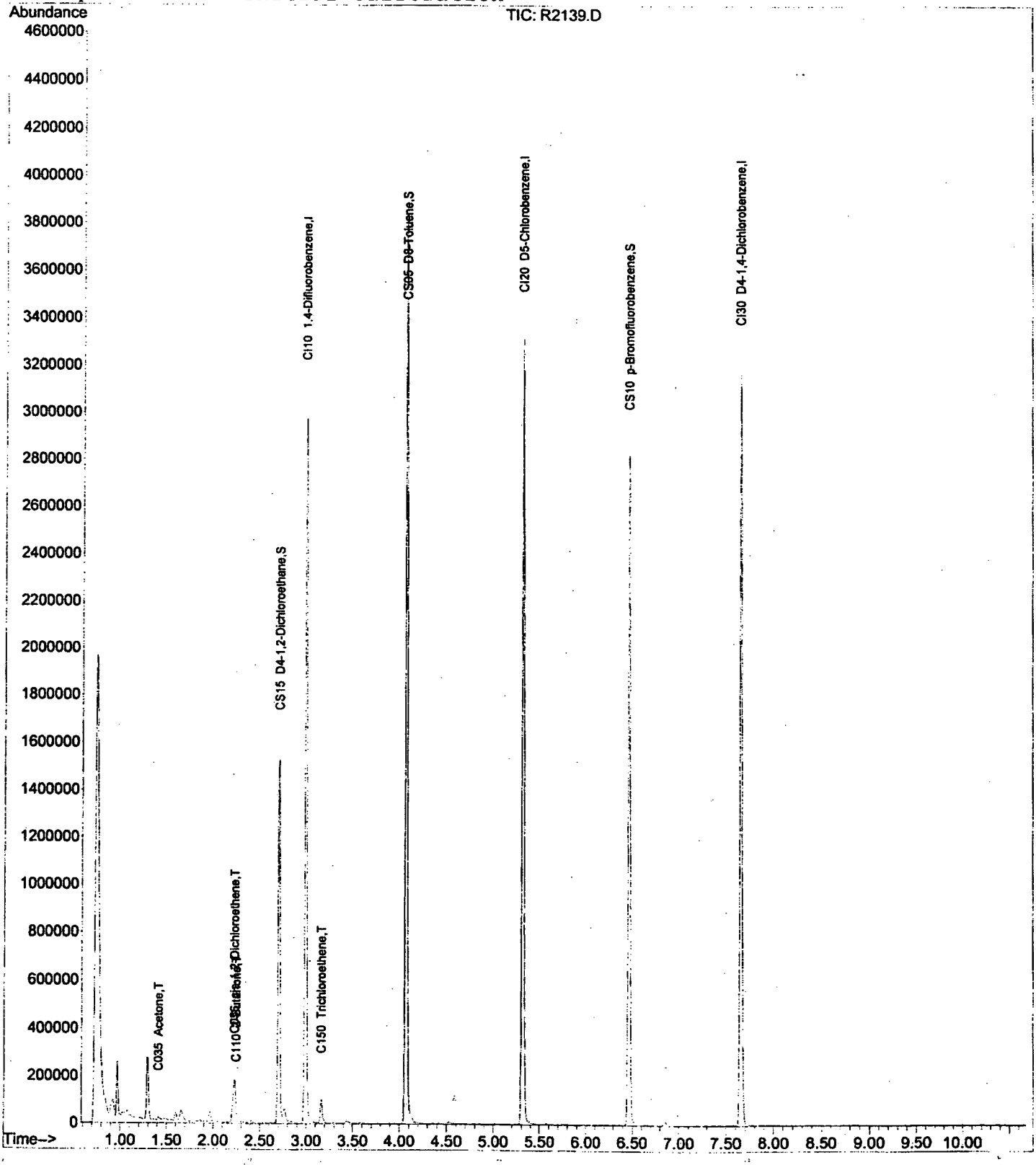
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\102003\R2139.D
Acq On : 20 Oct 2003 18:19
Sample : A3A00703 DF-5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 21 8:21 2003

Vial: 4
Operator: JRS
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Mon Oct 20 15:53:46 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: WE-5S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3226.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	4000	U
107-13-1	Acrylonitrile	4000	U
71-43-2	Benzene	290	
75-27-4	Dichlorobromomethane	22	U
75-25-2	Bromoform	47	U
74-83-9	Bromomethane	100	U
56-23-5	Carbon Tetrachloride	28	U
108-90-7	Chlorobenzene	60	U
75-00-3	Chloroethane	100	U
110-75-8	2-Chloroethylvinyl ether	150	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	31	U
75-34-3	1,1-Dichloroethane	47	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	28	U
540-59-0	1,2-Dichloroethene (Total)	50	U
78-87-5	1,2-Dichloropropane	60	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	72	U
75-09-2	Methylene chloride	35	U
79-34-5	1,1,2,2-Tetrachloroethane	69	U
127-18-4	Tetrachloroethene	41	U
108-88-3	Toluene	60	U
71-55-6	1,1,1-Trichloroethane	38	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	19	U
75-01-4	Vinyl chloride	100	U

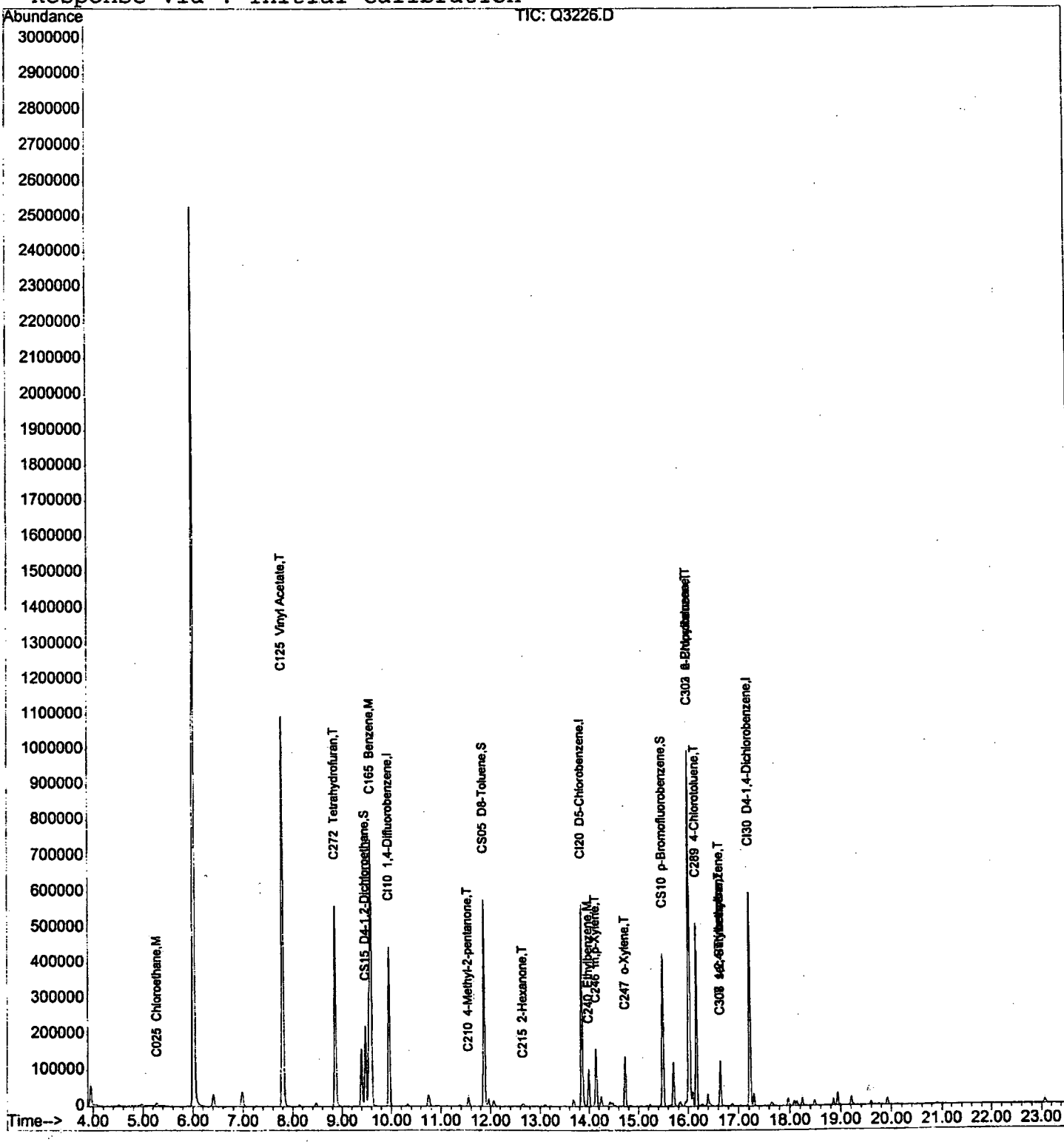
Quantitation Report

Data File : H:\GCMS_VOA\Q\101403\Q3226.D
Acq On : 15 Oct 2003 3:34
Sample : A3990003 DF10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:59 2003

Vial: 31
Operator: DGP
Inst : HP5973 Q
Multiplr: 1.00

Quant Results File: Q101403.RES

Method : C:\HPCHEM\1\METHODS\Q624\Q101403.M (RTE Integrator)
Title : 624 WATER
Last Update : Tue Oct 14 18:44:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3225.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/15/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2000	U
71-43-2	Benzene	22	U
75-27-4	Dichlorobromomethane	11	U
75-25-2	Bromoform	24	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	30	U
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	8	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	16	U
75-34-3	1,1-Dichloroethane	24	U
107-06-2	1,2-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	14	U
540-59-0	1,2-Dichloroethene (Total)	25	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
100-41-4	Ethylbenzene	36	U
75-09-2	Methylene chloride	18	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
127-18-4	Tetrachloroethene	20	U
108-88-3	Toluene	30	U
71-55-6	1,1,1-Trichloroethane	19	U
79-00-5	1,1,2-Trichloroethane	25	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	50	U

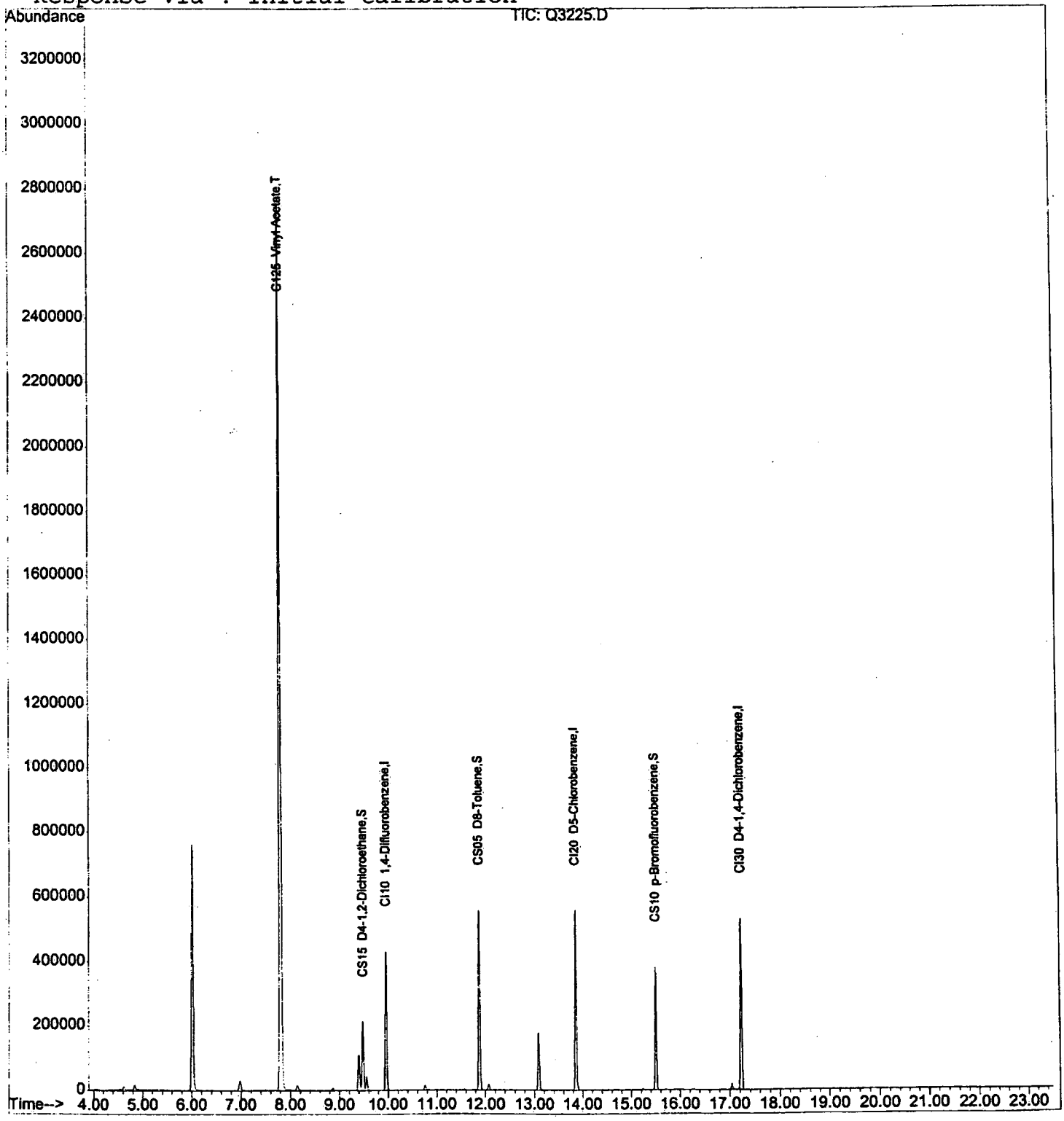
Quantitation Report

Data File : H:\GCMS_VOA\Q\101403\Q3225.D
Acq On : 15 Oct 2003 3:05
Sample : A3990004 DF5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 15 9:59 2003

Vial: 30
Operator: DGP
Inst : HP5973 Q
Multiplr: 1.00

Quant Results File: Q101403.RES

Method : C:\HPCHEM\1\METHODS\Q624\Q101403.M (RTE Integrator)
Title : 624 WATER
Last Update : Tue Oct 14 18:44:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: WE-7R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00704

ample wt/vol: 5.00 (g/mL) ML Lab File ID: R2140.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

C Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

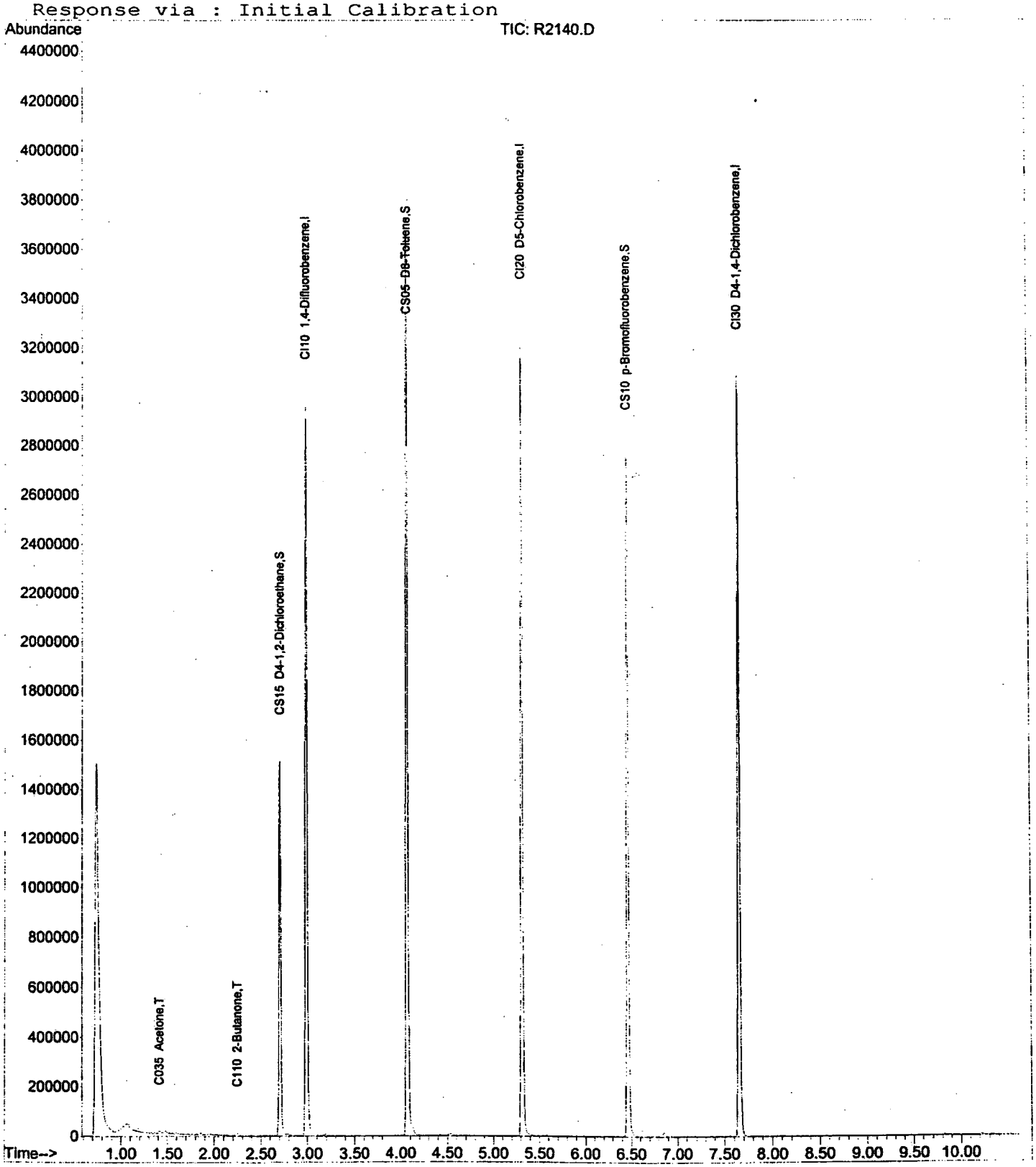
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\102003\R2140.D
Acq On : 20 Oct 2003 18:47
Sample : A3A00704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 21 8:21 2003

Vial: 5
Operator: JRS
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Mon Oct 20 15:53:46 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: WE-7S

ame: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00705

ample wt/vol: 5.00 (g/mL) ML Lab File ID: R2121.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

C Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

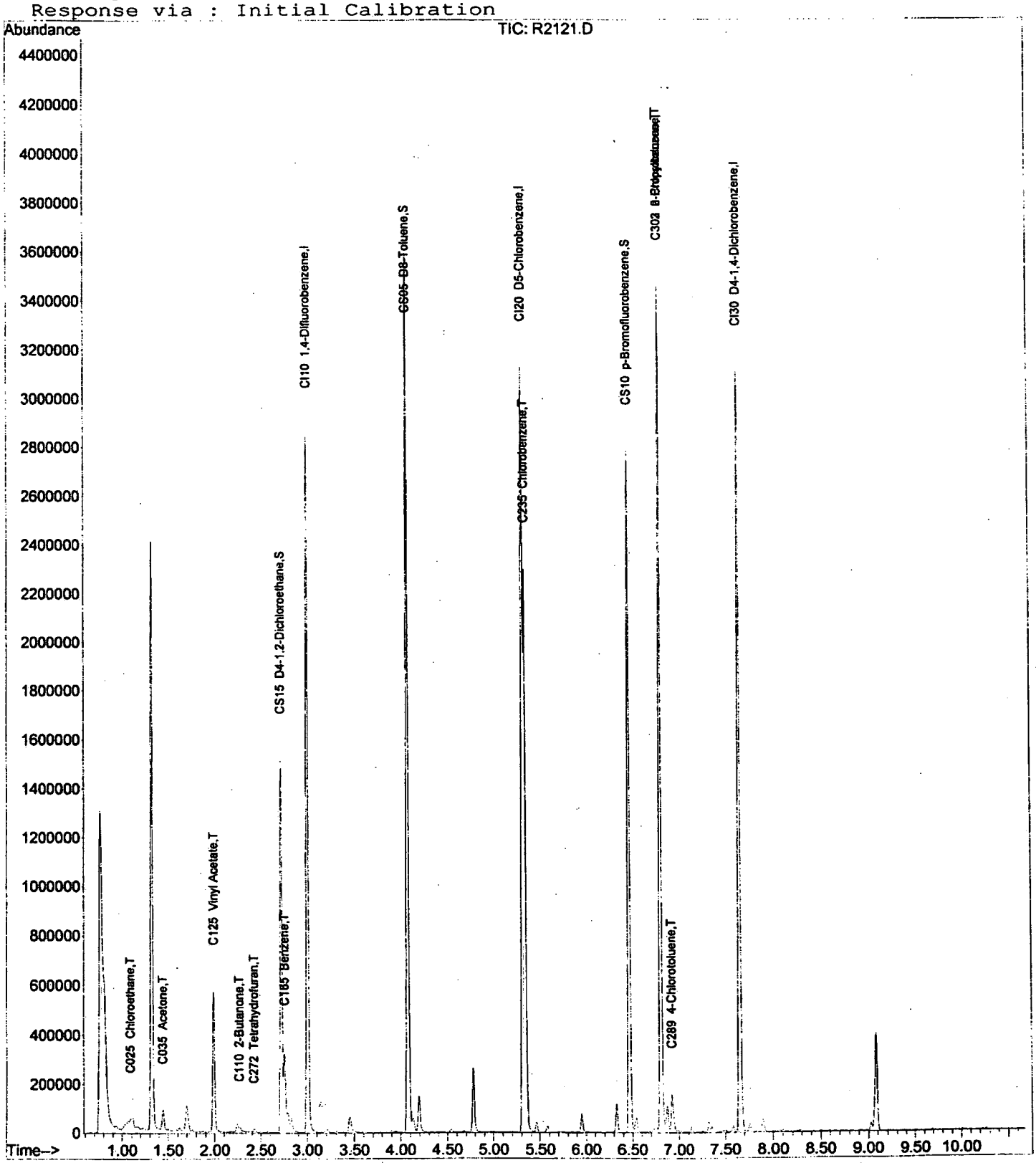
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	4000	U
107-13-1	Acrylonitrile	4000	U
71-43-2	Benzene	44	U
75-27-4	Dichlorobromomethane	22	U
75-25-2	Bromoform	47	U
74-83-9	Bromomethane	100	U
56-23-5	Carbon Tetrachloride	28	U
108-90-7	Chlorobenzene	200	
75-00-3	Chloroethane	100	U
110-75-8	2-Chloroethylvinyl ether	150	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	31	U
75-34-3	1,1-Dichloroethane	47	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	28	U
540-59-0	1,2-Dichloroethene (Total)	50	U
78-87-5	1,2-Dichloropropane	60	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	72	U
75-09-2	Methylene chloride	35	U
79-34-5	1,1,2,2-Tetrachloroethane	69	U
127-18-4	Tetrachloroethene	41	U
108-88-3	Toluene	60	U
71-55-6	1,1,1-Trichloroethane	38	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	19	U
75-01-4	Vinyl chloride	100	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2121.D
Acq On : 17 Oct 2003 13:35
Sample : A3A00705 DF10 A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 14:15 2003

Vial: 57
Operator: PC
Inst : HP5973R
Multiplr: 1.00
Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Fri Oct 17 10:34:16 2003
Response via : Initial Calibration



STANDARDS

KIN-BUC LANDFILL
VOLATILE 624
INITIAL CALIBRATION DATA

ab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001341-1

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003G2

ntrument ID: HP5973Q Calibration Dates(s): 10/14/2003 10/14/2003

eated Purge (Y/N): N Calibration Times: 12:40 13:38

C Column: DB624 ID: 0.25(mm)

Lab File ID: RRF5 = Q3197.RR RRF50 = Q3198.RR
RRF100 = Q3199.RR RRF0 RRF0

COMPOUND	RRF5	RRF50	RRF100	RRF0	RRF0	AVG RRF	% RSD
Chloromethane	0.492	0.463	0.446			0.4670	4.900
Bromomethane	0.192	0.171	0.166			0.1760	7.800
Vinyl chloride	0.554	0.506	0.460			0.5070	9.300
Chloroethane	0.349	0.302	0.276			0.3090	11.900
Methylene chloride	0.650	0.477	0.469			0.5320	19.200
1,1-Dichloroethene	0.370	0.397	0.388			0.3850	3.600
1,1-Dichloroethane	0.948	0.943	0.869			0.9200	4.800
1,2-Dichloroethene (Total)	0.463	0.495	0.470			0.4760	3.500
Chloroform	0.856	0.878	0.837			0.8570	2.400
1,2-Dichloroethane	0.802	0.834	0.813			0.8160	2.000
1,1,1-Trichloroethane	0.700	0.748	0.739			0.7290	3.500
Carbon Tetrachloride	0.571	0.616	0.600			0.5960	3.80
Dichlorobromomethane	0.597	0.658	0.654			0.6360	5.30
1,2-Dichloropropane	0.536	0.557	0.522			0.5380	3.300
cis-1,3-Dichloropropene	0.683	0.834	0.819			0.7780	10.700
Trichloroethene	0.440	0.463	0.453			0.4520	2.600
Dibromochloromethane	0.378	0.437	0.445			0.4200	8.800
1,1,2-Trichloroethane	0.388	0.406	0.399			0.3980	2.300
Benzene	1.987	2.035	1.910			1.9770	3.200
trans-1,3-Dichloropropene	0.716	0.863	0.866			0.8150	10.600
Bromoform	0.201	0.268	0.277			0.2490	16.800
Tetrachloroethene	0.407	0.409	0.391			0.4020	2.400
1,1,2,2-Tetrachloroethane	1.191	1.257	1.247			1.2320	2.900
Toluene	1.211	1.263	1.215			1.2300	2.400
Chlorobenzene	1.266	1.276	1.245			1.2630	1.300
Ethylbenzene	2.102	2.388	2.291			2.2600	6.400
2-Chloroethylvinyl ether	0.343	0.384	0.345			0.3570	6.500
Acrolein	0.075	0.085	0.081			0.0800	6.200
Acrylonitrile	0.244	0.255	0.223			0.2410	6.800
Toluene-D8	1.256	1.228	1.236			1.2400	1.200
p-Bromofluorobenzene	1.095	1.066	1.074			1.0780	1.400
1,2-Dichloroethane-D4	0.486	0.479	0.472			0.4790	1.400

Comments:

KIN-BUC LANDFILL
VOLATILE 624
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001348-1

Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003G2

ntrument ID: HP5973R Calibration Dates(s): 10/16/2003 10/16/2003

eated Purge (Y/N): N Calibration Times: 15:24 18:20

C Column: DB-624 ID: 0.18(mm)

Lab File ID: RRF5 = R2073.RR RRF50 = R2070.RR
RRF100 = R2071.RR RRF0 RRF0

COMPOUND	RRF5	RRF50	RRF100	RRF0	RRF0	AVG RRF	% RSD
Chloromethane	0.402	0.284	0.380			0.3560	17.600
Bromomethane	0.087	0.051	0.057			0.0650	29.100
Vinyl chloride	0.391	0.349	0.398			0.3790	7.000
Chloroethane	0.049	0.031	0.040			0.0400	22.400
Methylene chloride	0.465	0.355	0.347			0.3890	16.900
1,1-Dichloroethene	0.298	0.270	0.266			0.2780	6.300
1,1-Dichloroethane	0.628	0.597	0.695			0.6400	7.800
1,2-Dichloroethene (Total)	0.386	0.325	0.341			0.3510	9.200
Chloroform	0.878	0.794	0.846			0.8390	5.100
1,2-Dichloroethane	0.711	0.703	0.699			0.7040	0.900
1,1,1-Trichloroethane	0.727	0.751	0.761			0.7460	2.300
Carbon Tetrachloride	0.528	0.542	0.555			0.5420	2.500
Chlorobromomethane	0.587	0.640	0.666			0.6310	6.400
1,2-Dichloropropane	0.402	0.367	0.388			0.3850	4.500
cis-1,3-Dichloropropene	0.675	0.699	0.742			0.7050	4.800
Trichloroethene	0.413	0.381	0.398			0.3980	4.000
Dibromochloromethane	0.341	0.376	0.400			0.3720	8.000
1,1,2-Trichloroethane	0.357	0.348	0.356			0.3540	1.400
Benzene	1.719	1.550	1.617			1.6290	5.200
trans-1,3-Dichloropropene	0.724	0.778	0.825			0.7750	6.600
Bromoform	0.229	0.277	0.303			0.2700	14.000
Tetrachloroethene	0.391	0.337	0.350			0.3590	7.800
1,1,2,2-Tetrachloroethane	0.976	0.933	0.978			0.9620	2.600
Toluene	1.107	0.994	1.041			1.0470	5.400
Chlorobenzene	1.086	0.976	1.031			1.0310	5.400
Ethylbenzene	2.109	2.026	2.151			2.0950	3.000
2-Chloroethylvinyl ether	0.250	0.238	0.244			0.2440	2.300
Acrolein	0.031	0.024	0.023			0.0260	16.500
Acrylonitrile	0.088	0.085	0.083			0.0850	3.000
Toluene-D8	1.383	1.417	1.398			1.4000	1.200
p-Bromofluorobenzene	1.216	1.262	1.275			1.2510	2.500
1,2-Dichloroethane-D4	0.472	0.567	0.493			0.5110	9.800

Comments:

KIN-BUC LANDFILL
VOLATILE 624
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001357-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003G2

Instrument ID: HP5973R Calibration Dates(s): 10/20/2003 10/20/2003

Heated Purge (Y/N): N Calibration Times: 12:49 14:25

GC Column: DB-624 ID: 0.18(mm)

Lab File ID: RRF5 = R2131.RR RRF50 = R2132.RR
RRF100 = R2129.RR RRF0 RRF0

COMPOUND	RRF5	RRF50	RRF100	RRF0	RRF0	AVG RRF	% RSD
Chloromethane	0.299	0.321	0.306			0.3090	3.800
Bromomethane	0.079	0.058	0.054			0.0640	21.200
Vinyl chloride	0.313	0.358	0.328			0.3330	7.000
Chloroethane	0.050	0.039	0.038			0.0420	15.800
Methylene chloride	0.365	0.344	0.341			0.3500	3.700
1,1-Dichloroethene	0.251	0.268	0.256			0.2580	3.400
1,1-Dichloroethane	0.564	0.587	0.647			0.5990	7.200
1,2-Dichloroethene (Total)	0.310	0.335	0.321			0.3220	3.800
Chloroform	0.794	0.819	0.808			0.8070	1.500
1,2-Dichloroethane	0.639	0.688	0.693			0.6730	4.500
1,1,1-Trichloroethane	0.645	0.732	0.730			0.7020	7.000
Carbon Tetrachloride	0.464	0.537	0.544			0.5150	8.700
Dichlorobromomethane	0.562	0.640	0.652			0.6180	7.900
1,2-Dichloropropane	0.336	0.369	0.358			0.3540	4.900
cis-1,3-Dichloropropene	0.568	0.695	0.706			0.6560	11.700
Trichloroethene	0.330	0.373	0.367			0.3570	6.500
Dibromochloromethane	0.368	0.403	0.412			0.3940	6.000
1,1,2-Trichloroethane	0.350	0.359	0.346			0.3510	1.900
Benzene	1.439	1.533	1.484			1.4850	3.200
trans-1,3-Dichloropropene	0.665	0.806	0.820			0.7640	11.200
Bromoform	0.259	0.304	0.315			0.2920	10.100
Tetrachloroethene	0.343	0.347	0.326			0.3390	3.200
1,1,2,2-Tetrachloroethane	1.036	1.040	1.004			1.0270	1.900
Toluene	1.018	1.060	1.008			1.0280	2.700
Chlorobenzene	1.016	1.019	0.992			1.0090	1.500
Ethylbenzene	1.906	2.135	2.091			2.0440	5.900
2-Chloroethylvinyl ether	0.208	0.239	0.232			0.2260	7.200
Acrolein	0.030	0.031	0.030			0.0300	1.800
Acrylonitrile	0.087	0.090	0.087			0.0880	2.000
Toluene-D8	1.590	1.535	1.535			1.5530	2.000
p-Bromofluorobenzene	1.337	1.310	1.316			1.3210	1.100
1,2-Dichloroethane-D4	0.575	0.614	0.594			0.5940	3.300

Comments:

RAW QC DATA

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK75

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990007

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3202.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/14/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

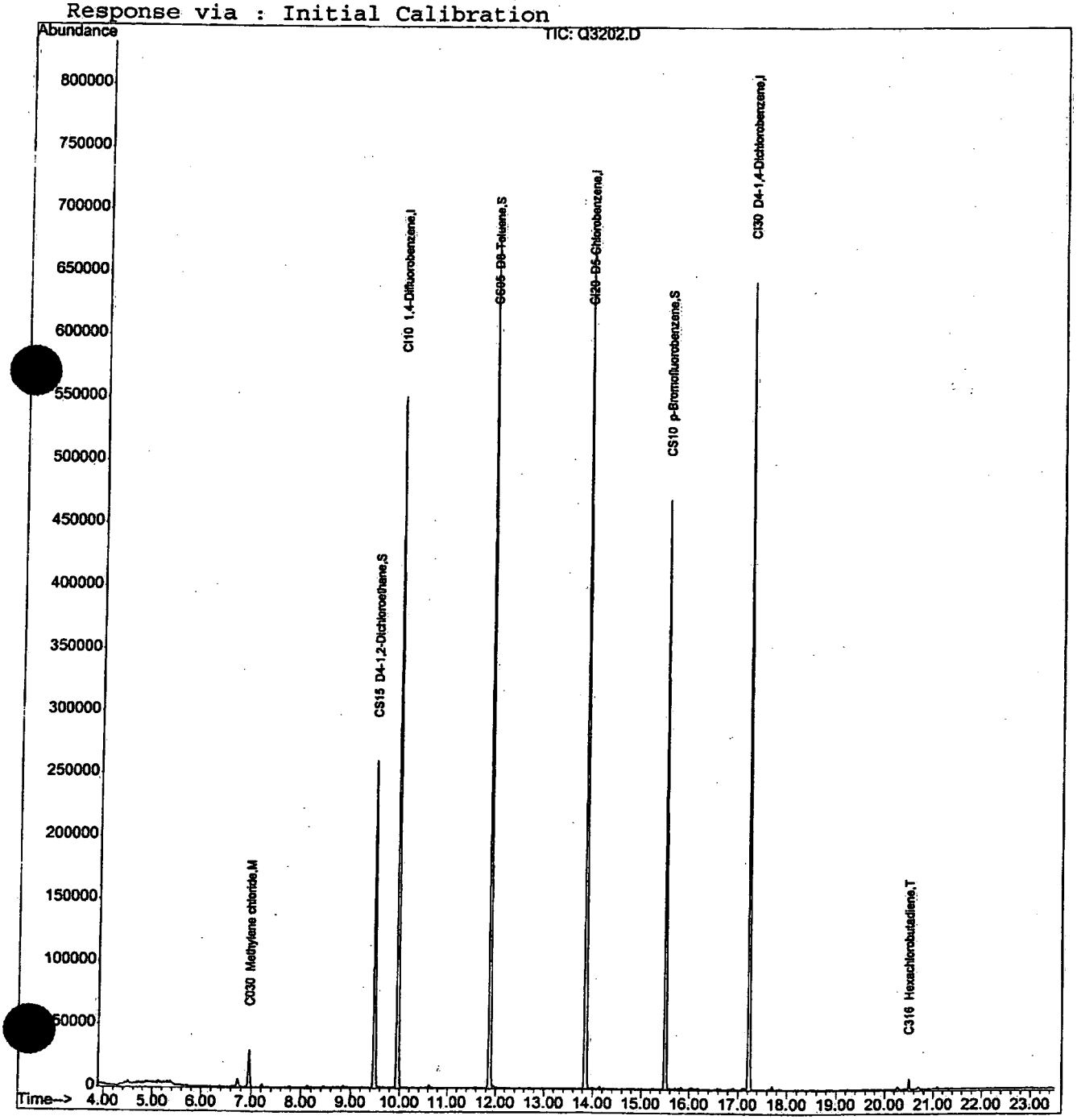
Quantitation Report

Data File : H:\GCMS_VOA\Q\101403\Q3202.D
Acq On : 14 Oct 2003 15:07
Sample : VBLK75
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 14 18:45 2003

Vial: 7
Operator: DGP
Inst : HP5973 Q
Multiplr: 1.00

Quant Results File: Q101403.RES

Method : C:\HPCHEM\1\METHODS\Q624\Q101403.M (RTE Integrator)
Title : 624 WATER
Last Update : Tue Oct 14 18:44:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990009

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2078.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

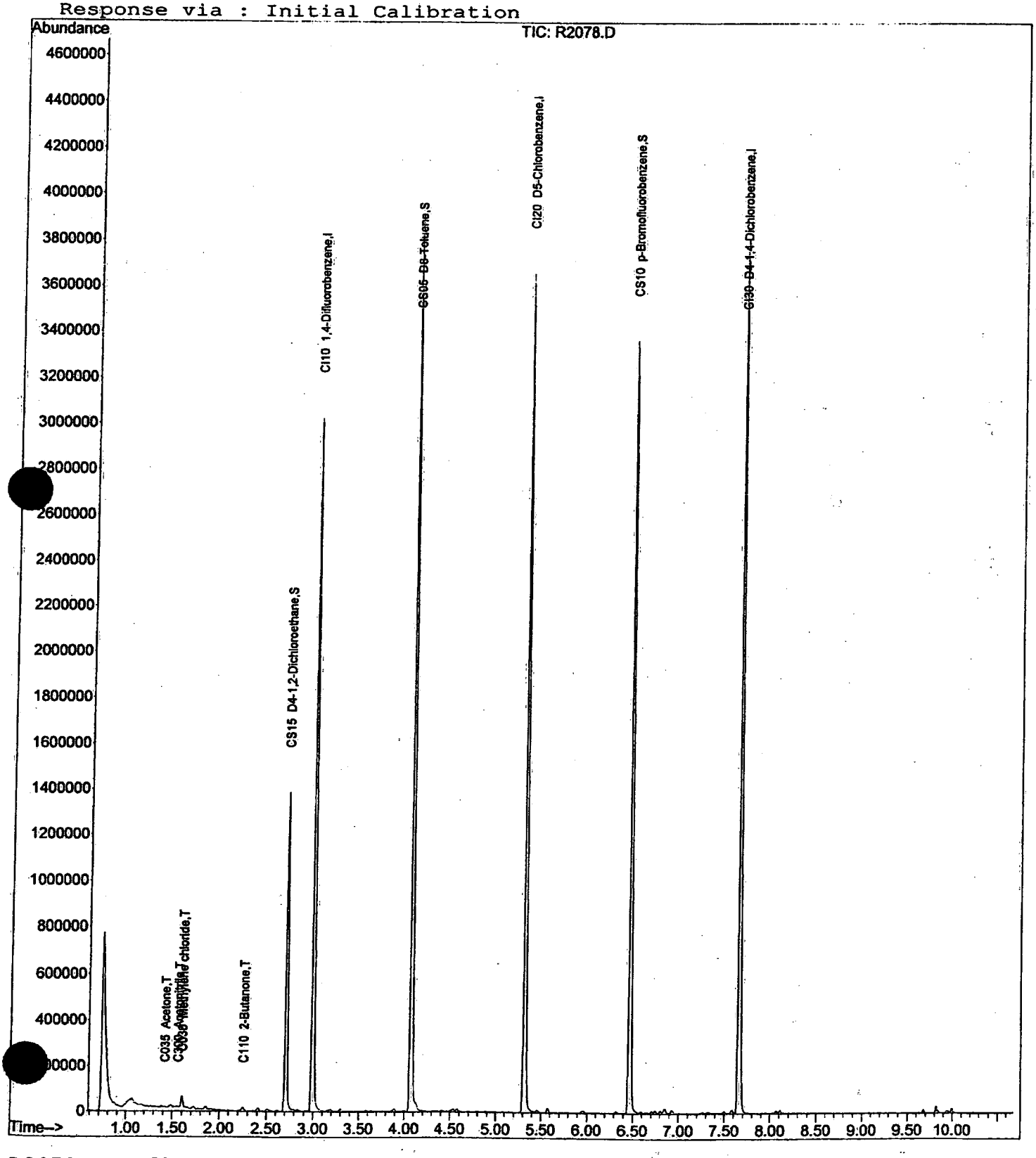
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2078.D
Acq On : 16 Oct 2003 19:59
Sample : VBLK83 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:07 2003

Vial: 14
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK84

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997808

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2079.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

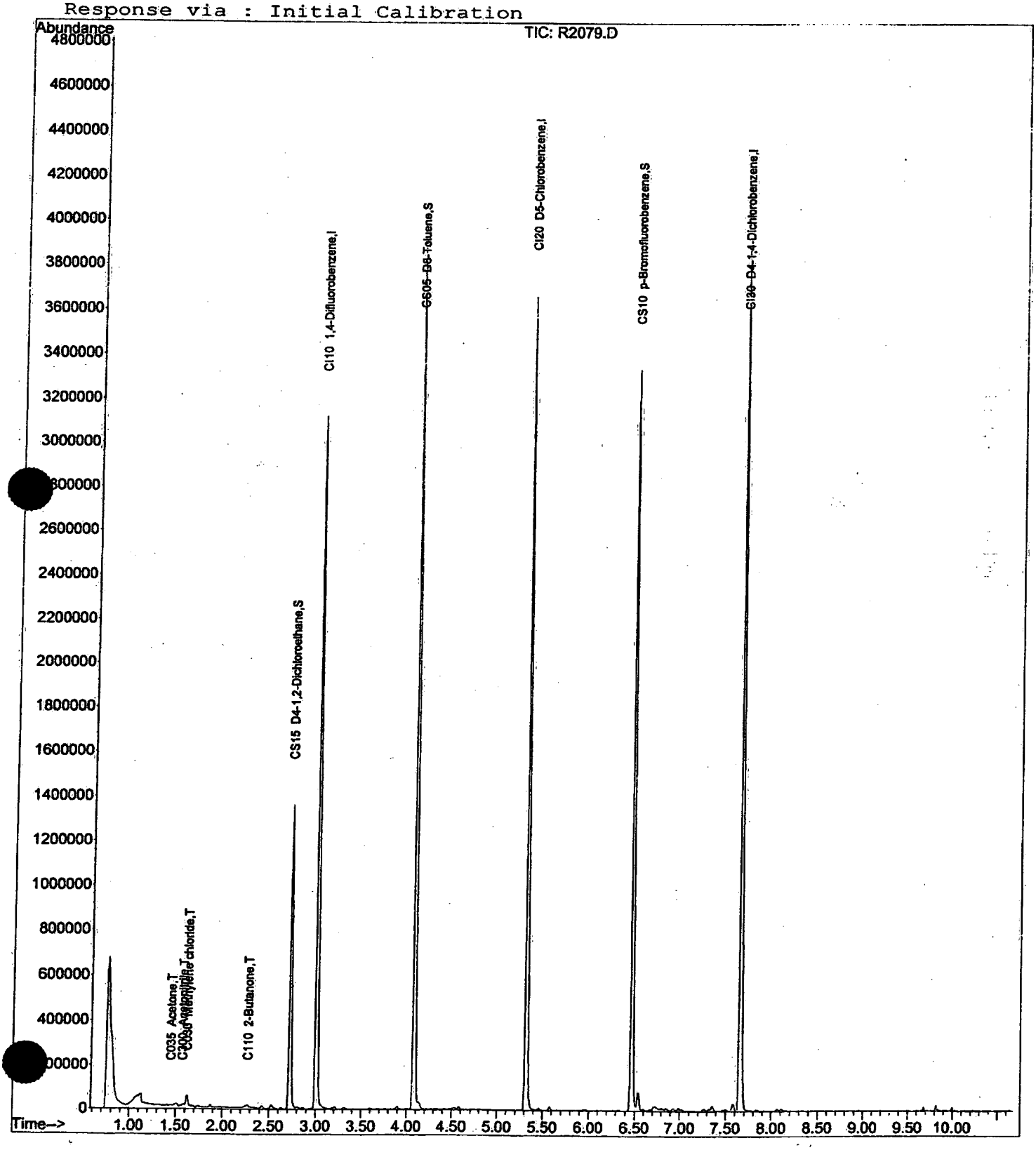
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2079.D
Acq On : 16 Oct 2003 20:15
Sample : VBLK84 E2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 8:57 2003

Vial: 15
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK85

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

latrix: (soil/water) WATER Lab Sample ID: A3997809

ample wt/vol: 5.00 (g/mL) ML Lab File ID: R2135.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

: Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

C Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

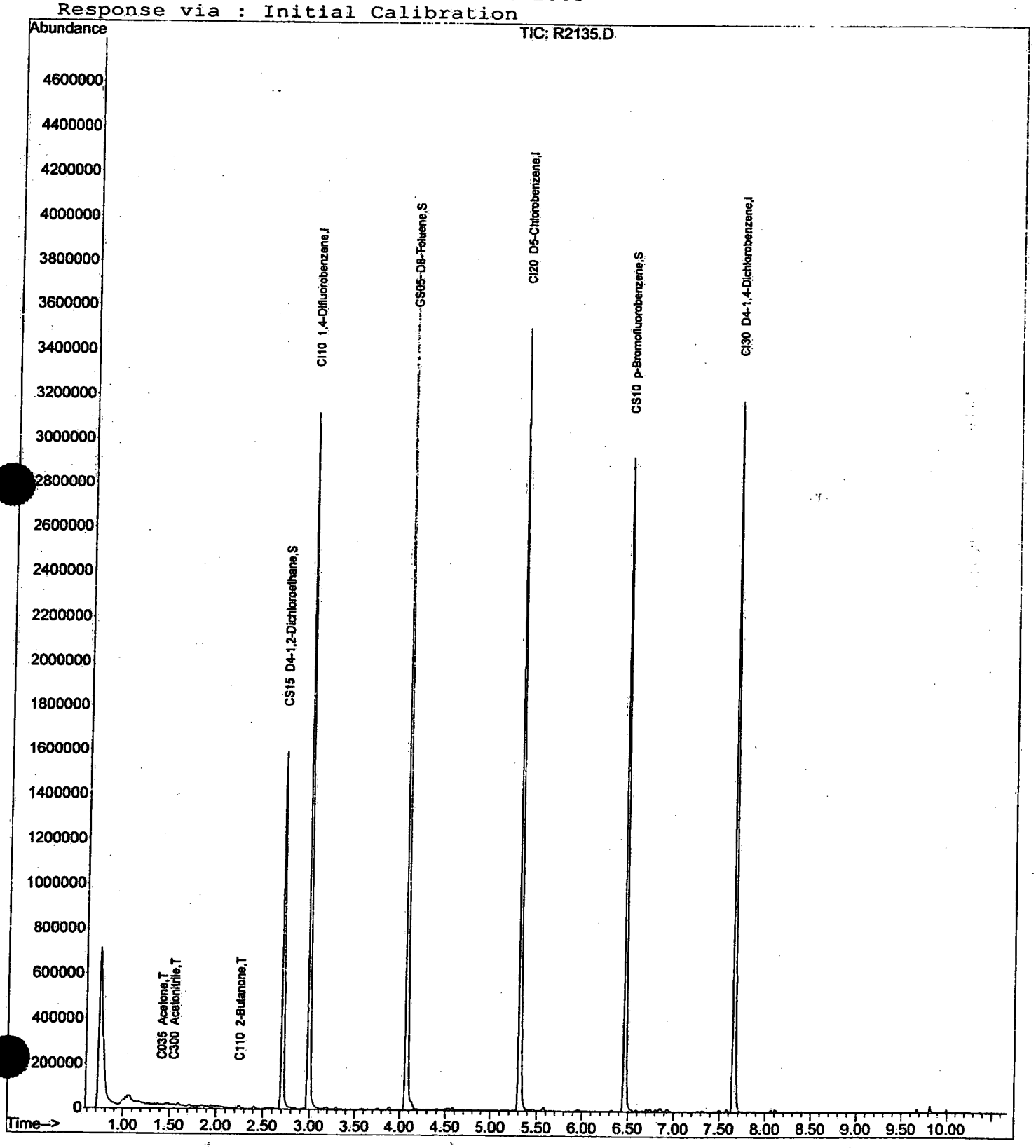
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\102003\R2135.D
Acq On : 20 Oct 2003 16:01
Sample : VBLK85
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 20 16:39 2003

Vial: 10
Operator: JRS
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Mon Oct 20 15:53:46 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: MSB75

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3990008

ample wt/vol: 5.00 (g/mL) ML Lab File ID: Q3201.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/14/2003

C Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

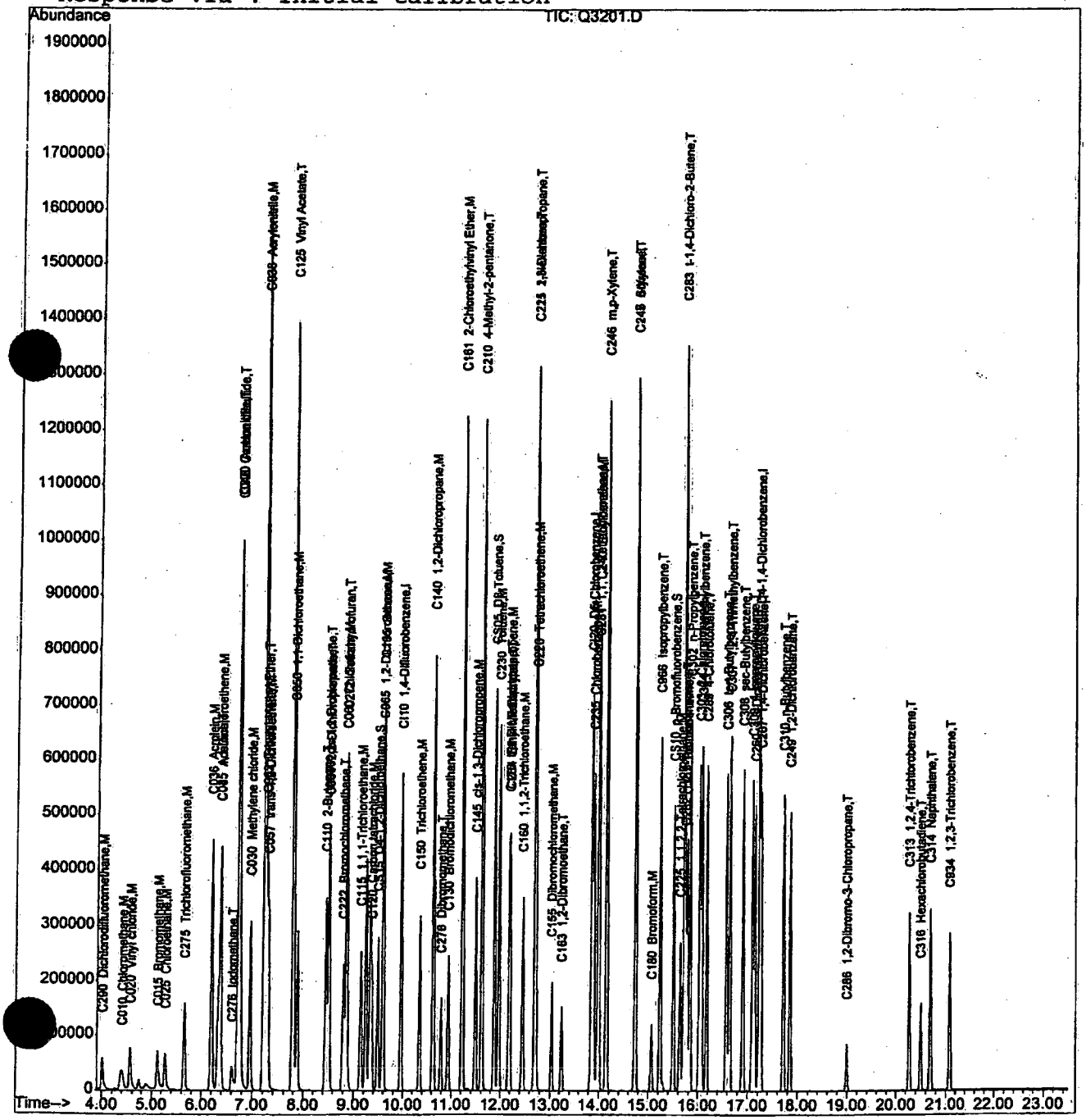
oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	
107-13-1	Acrylonitrile	400	
71-43-2	Benzene	18	
75-27-4	Dichlorobromomethane	18	
75-25-2	Bromoform	18	
74-83-9	Bromomethane	25	
56-23-5	Carbon Tetrachloride	16	
108-90-7	Chlorobenzene	18	
75-00-3	Chloroethane	15	
110-75-8	2-Chloroethylvinyl ether	99	
67-66-3	Chloroform	18	
74-87-3	Chloromethane	14	
124-48-1	Dibromochloromethane	19	
75-34-3	1,1-Dichloroethane	18	
107-06-2	1,2-Dichloroethane	18	
75-35-4	1,1-Dichloroethene	17	
540-59-0	1,2-Dichloroethene (Total)	36	
78-87-5	1,2-Dichloropropane	18	
10061-01-5	cis-1,3-Dichloropropene	19	
10061-02-6	trans-1,3-Dichloropropene	19	
100-41-4	Ethylbenzene	18	
75-09-2	Methylene chloride	18	
79-34-5	1,1,2,2-Tetrachloroethane	20	
127-18-4	Tetrachloroethene	17	
108-88-3	Toluene	18	
71-55-6	1,1,1-Trichloroethane	16	
79-00-5	1,1,2-Trichloroethane	19	
79-01-6	Trichloroethene	17	
75-01-4	Vinyl chloride	14	

Quantitation Report

Data File : H:\GCMS_VOA\Q\101403\Q3201.D Vial: 6
Acq On : 14 Oct 2003 14:38 Operator: DGP
Sample : LCS Inst : HP5973 Q
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 18:45 2003 Quant Results File: Q101403.RES

Method : C:\HPCHEM\1\METHODS\Q624\Q101403.M (RTE Integrator)
Title : 624 WATER
Last Update : Tue Oct 14 18:44:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: MSB83

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3990010

ample wt/vol: 5.00 (g/mL) ML Lab File ID: R2111.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

C Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

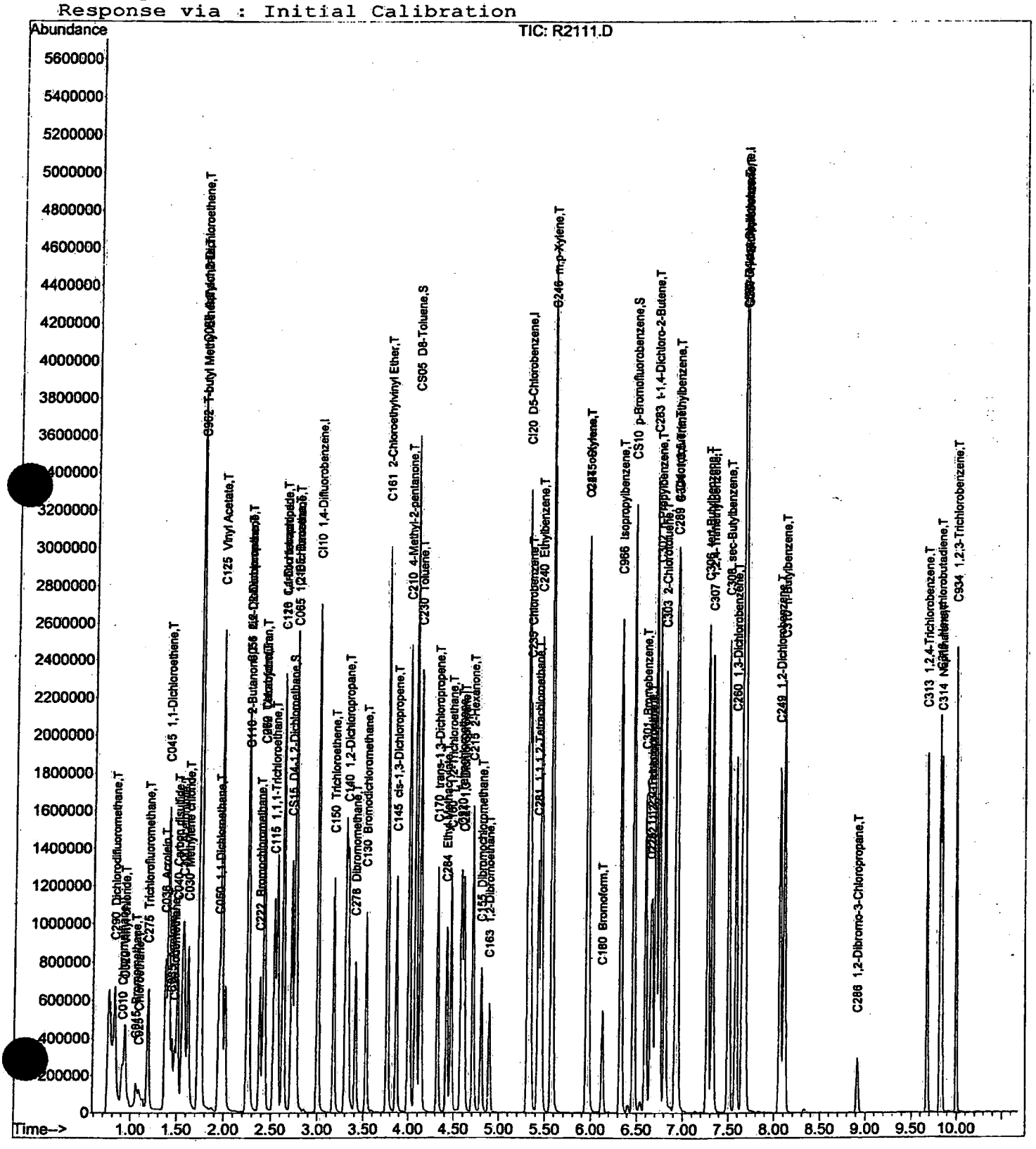
oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	480	
107-13-1	Acrylonitrile	420	
71-43-2	Benzene	18	
75-27-4	Dichlorobromomethane	19	
75-25-2	Bromoform	17	
74-83-9	Bromomethane	21	
56-23-5	Carbon Tetrachloride	19	
108-90-7	Chlorobenzene	18	
75-00-3	Chloroethane	23	
110-75-8	2-Chloroethylvinyl ether	91	
67-66-3	Chloroform	17	
74-87-3	Chloromethane	19	
124-48-1	Dibromochloromethane	18	
75-34-3	1,1-Dichloroethane	19	
107-06-2	1,2-Dichloroethane	20	
75-35-4	1,1-Dichloroethene	20	
540-59-0	1,2-Dichloroethene (Total)	38	
78-87-5	1,2-Dichloropropane	18	
10061-01-5	cis-1,3-Dichloropropene	18	
10061-02-6	trans-1,3-Dichloropropene	18	
100-41-4	Ethylbenzene	18	
75-09-2	Methylene chloride	19	
79-34-5	1,1,2,2-Tetrachloroethane	18	
127-18-4	Tetrachloroethene	18	
108-88-3	Toluene	18	
71-55-6	1,1,1-Trichloroethane	16	
79-00-5	1,1,2-Trichloroethane	18	
79-01-6	Trichloroethene	18	
75-01-4	Vinyl chloride	21	

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2111.D Vial: 47
Acq On : 17 Oct 2003 10:14 Operator: PC
Sample : LCS Inst : HP5973R
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:33 2003 Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Fri Oct 17 10:34:16 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: MSB85

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997810

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2134.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/20/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	19	
75-27-4	Dichlorobromomethane	19	
75-25-2	Bromoform	17	
74-83-9	Bromomethane	18	
56-23-5	Carbon Tetrachloride	18	
108-90-7	Chlorobenzene	19	
75-00-3	Chloroethane	20	
110-75-8	2-Chloroethylvinyl ether	100	
67-66-3	Chloroform	19	
74-87-3	Chloromethane	16	
124-48-1	Dibromochloromethane	18	
75-34-3	1,1-Dichloroethane	18	
107-06-2	1,2-Dichloroethane	19	
75-35-4	1,1-Dichloroethene	18	
540-59-0	1,2-Dichloroethene (Total)	38	
78-87-5	1,2-Dichloropropane	19	
10061-01-5	cis-1,3-Dichloropropene	19	
10061-02-6	trans-1,3-Dichloropropene	18	
100-41-4	Ethylbenzene	19	
75-09-2	Methylene chloride	18	
79-34-5	1,1,2,2-Tetrachloroethane	19	
127-18-4	Tetrachloroethene	18	
108-88-3	Toluene	19	
71-55-6	1,1,1-Trichloroethane	18	
79-00-5	1,1,2-Trichloroethane	19	
79-01-6	Trichloroethene	19	
75-01-4	Vinyl chloride	17	

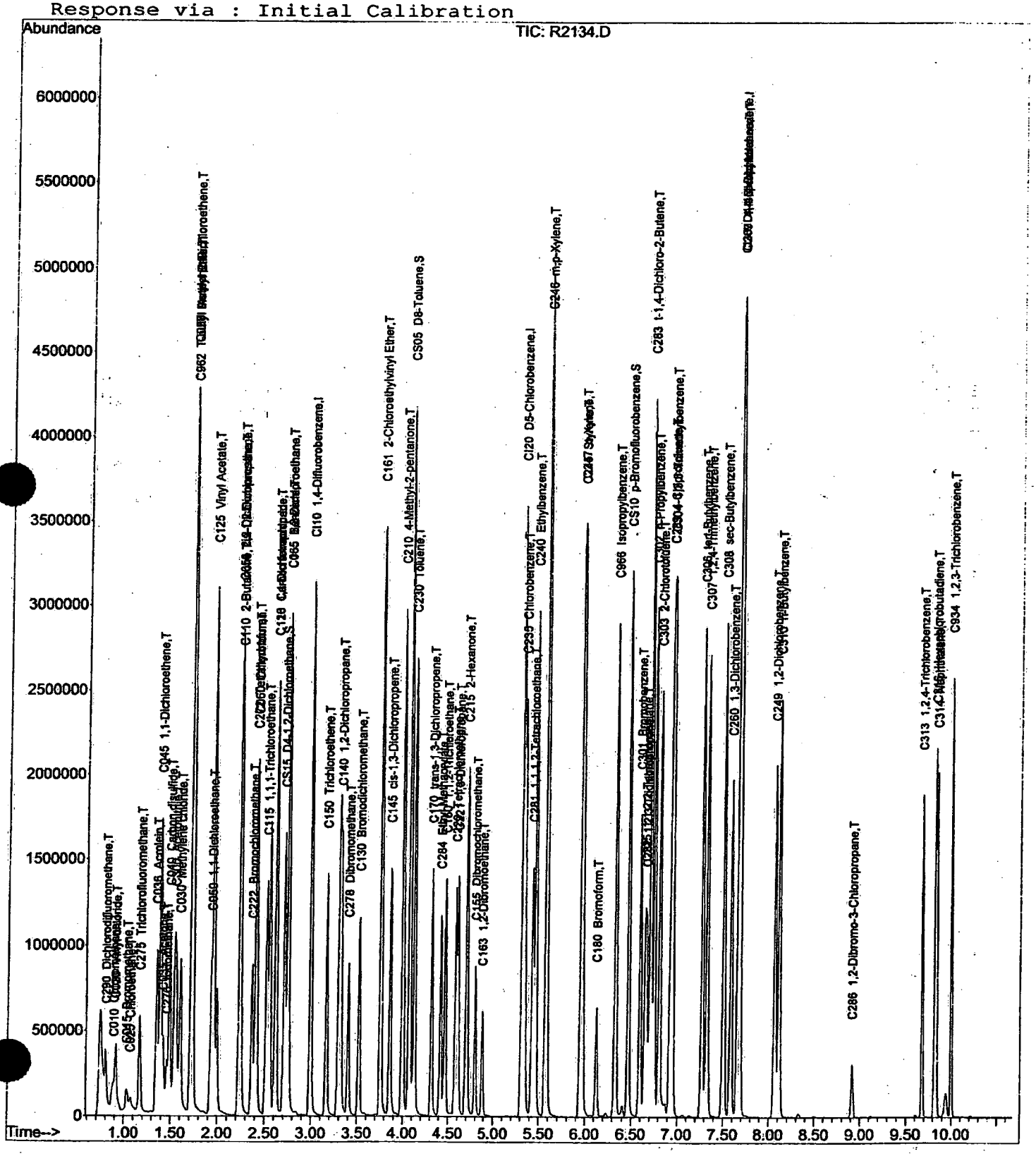
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\102003\R2134.D
Acq On : 20 Oct 2003 15:33
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:52 2003

Vial: 9
Operator: JRS
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Mon Oct 20 15:53:46 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: W-5R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3997803MS

ample wt/vol: 5.00 (g/mL) ML Lab File ID: R2089.RR

evel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

C Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2100	
71-43-2	Benzene	95	
75-27-4	Dichlorobromomethane	97	
75-25-2	Bromoform	82	
74-83-9	Bromomethane	100	
56-23-5	Carbon Tetrachloride	100	
108-90-7	Chlorobenzene	92	
75-00-3	Chloroethane	86	
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	110	
74-87-3	Chloromethane	77	
124-48-1	Dibromochloromethane	90	
75-34-3	1,1-Dichloroethane	98	
107-06-2	1,2-Dichloroethane	100	
75-35-4	1,1-Dichloroethene	100	
540-59-0	1,2-Dichloroethene (Total)	190	
78-87-5	1,2-Dichloropropane	95	
10061-01-5	cis-1,3-Dichloropropene	86	
10061-02-6	trans-1,3-Dichloropropene	86	
100-41-4	Ethylbenzene	92	
75-09-2	Methylene chloride	96	
79-34-5	1,1,2,2-Tetrachloroethane	92	
127-18-4	Tetrachloroethene	88	
108-88-3	Toluene	91	
71-55-6	1,1,1-Trichloroethane	99	
79-00-5	1,1,2-Trichloroethane	94	
79-01-6	Trichloroethene	95	
75-01-4	Vinyl chloride	90	

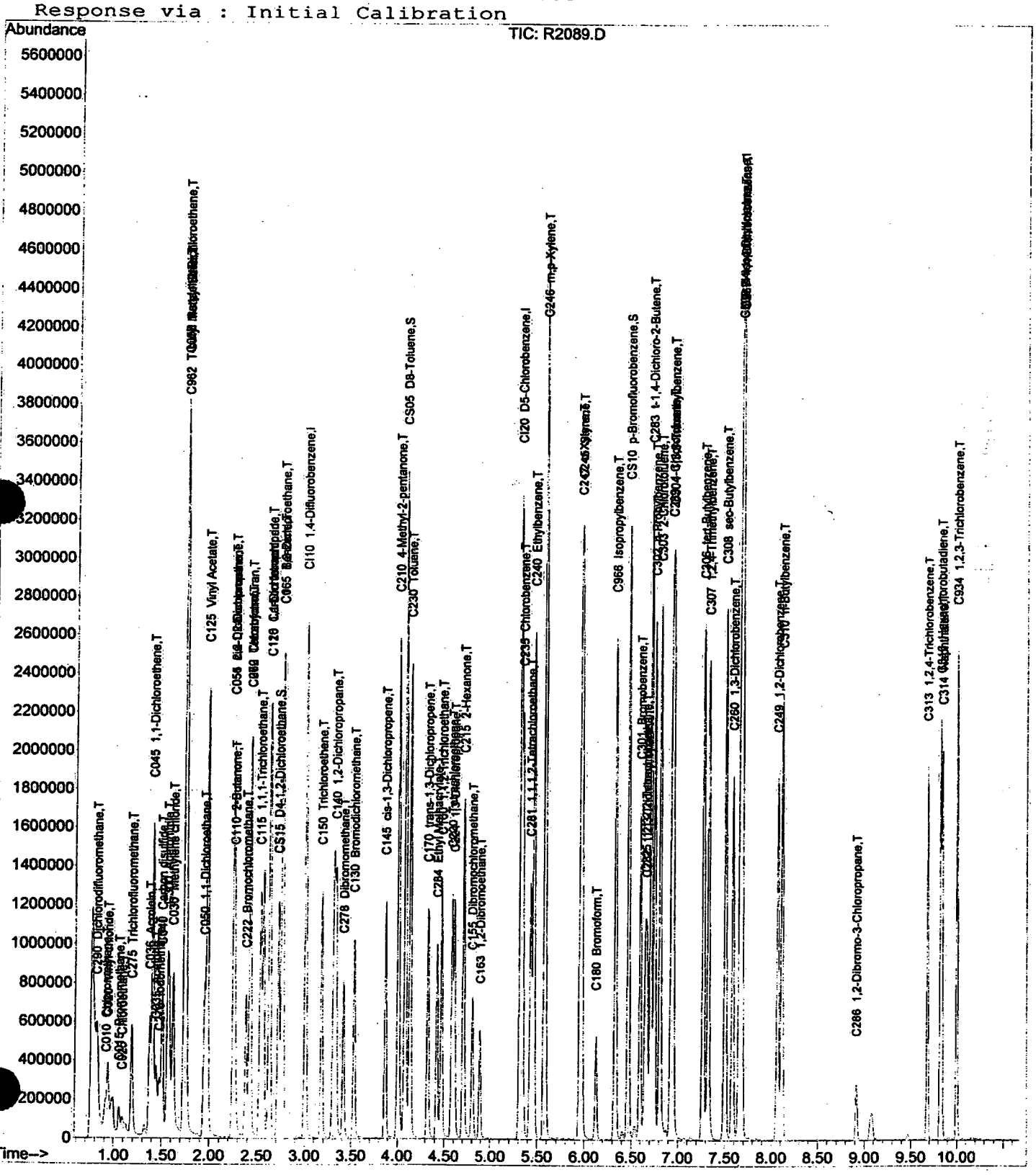
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2089.D
Acq On : 16 Oct 2003 22:46
Sample : A3997803MS DF5 E2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 8:58 2003

Vial: 25
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: W-5R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3997803SD

ample wt/vol: 5.00 (g/mL) ML Lab File ID: R2090.RR

evel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

C Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

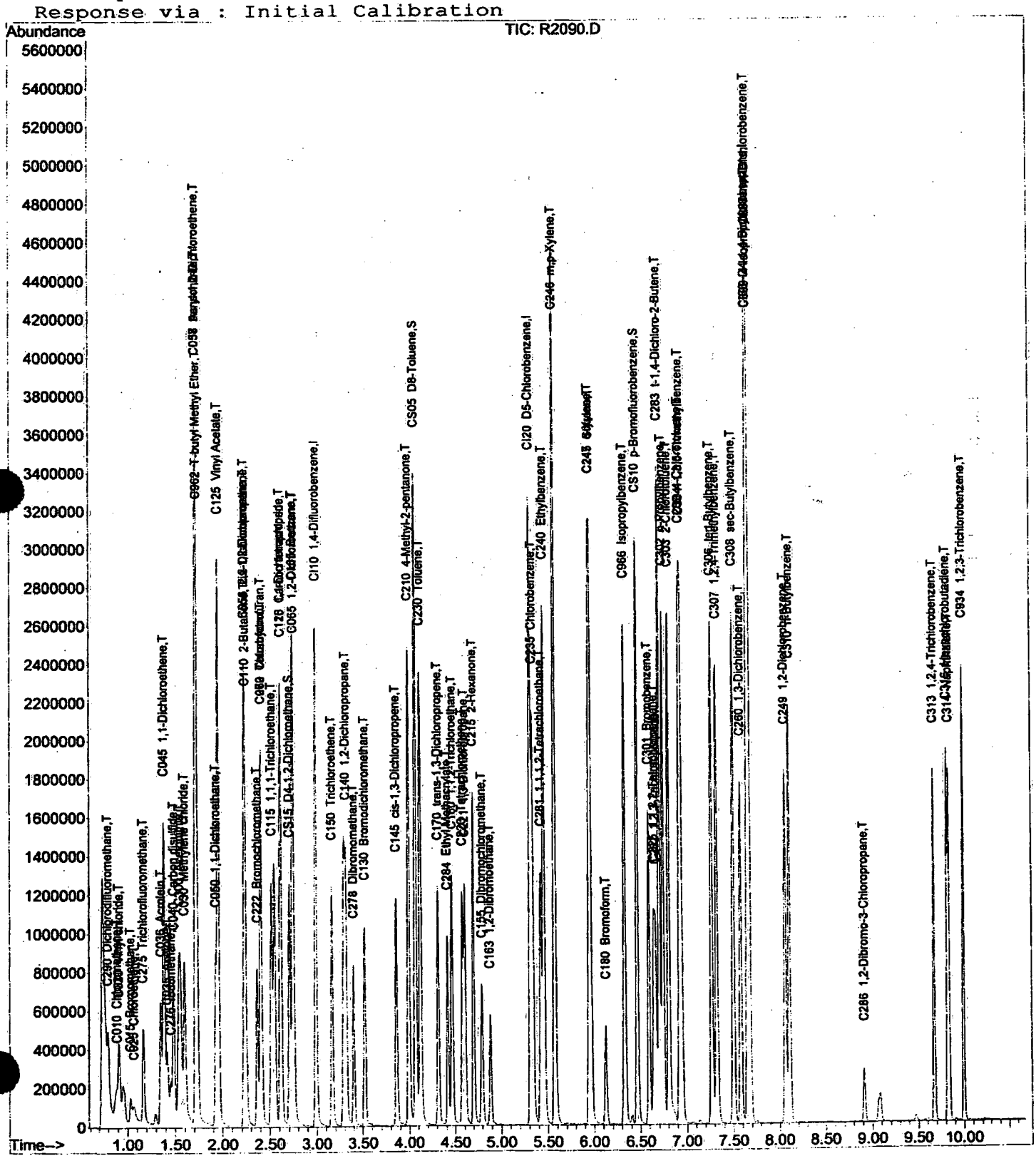
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	2000	U
107-13-1	Acrylonitrile	2100	
71-43-2	Benzene	94	
75-27-4	Dichlorobromomethane	97	
75-25-2	Bromoform	83	
74-83-9	Bromomethane	100	
56-23-5	Carbon Tetrachloride	96	
108-90-7	Chlorobenzene	91	
75-00-3	Chloroethane	120	
110-75-8	2-Chloroethylvinyl ether	73	U
67-66-3	Chloroform	100	
74-87-3	Chloromethane	91	
124-48-1	Dibromochloromethane	91	
75-34-3	1,1-Dichloroethane	100	
107-06-2	1,2-Dichloroethane	100	
75-35-4	1,1-Dichloroethene	95	
540-59-0	1,2-Dichloroethene (Total)	190	
78-87-5	1,2-Dichloropropane	96	
10061-01-5	cis-1,3-Dichloropropene	89	
10061-02-6	trans-1,3-Dichloropropene	88	
100-41-4	Ethylbenzene	92	
75-09-2	Methylene chloride	94	
79-34-5	1,1,2,2-Tetrachloroethane	91	
127-18-4	Tetrachloroethene	86	
108-88-3	Toluene	91	
71-55-6	1,1,1-Trichloroethane	95	
79-00-5	1,1,2-Trichloroethane	94	
79-01-6	Trichloroethene	93	
75-01-4	Vinyl chloride	88	

Data File : H:\GCMS_VOA\R\101603\R2090.D
Acq On : 16 Oct 2003 23:01
Sample : A3997803SD DF5 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 15:56 2003

Vial: 26
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Fri Oct 17 10:34:16 2003
Response via : Initial Calibration



GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID	JOB #	INJ. VOL.	EXT. WHT.	D.F.	STANDARD MIX #	I.S. / SS
10/14/03	1212	@	Q3196	1014BFBG1	QC	1ul			WS1F-1	
	1240		Q3197	VSTD005		5ml			WS200-4, WS6m-2, WS12L-4, WS13AF-2	ISS1-L
	1309		Q3198	050						
	1338		Q3199	100						
	1407		Q3200	ADD 050					WS20K-1, WS20I-1	
	1434		Q3201	LCS					WS19K-4, WS20-04, WS6m-2	
	1507		Q3202	VB1K75						
	1534		Q3203	A3985004	9850			5		
	1604		Q3204	A3985005	9850			10		
	~~1633~~ 1633 ad/sm		Q3205	A3984501	9845					
	—		Q3206	A3981901	9819					
	1927		Q3207	A3961002	9610			~~50~~ 20		
	1955		Q3208	A3976401	9764			500		
	1924		Q3209	02				500		
	1953		Q3210	03				500		
	2022		Q3211	04				50		
	2051		Q3212	05 DL				50		
	2120		Q3213	A3981901 MS	9819			20	WS200-4, WS6m-2, WS19K-4	
	2149		Q3214	01 SP	1			20		
	2217		Q3215	A3940604 DL	9806			50		
	2246		Q3216	05 DL				10		
	2315		Q3217	06				10		
	2344		Q3218	A3981901	9819			—		
	0013		Q3219	A3940006	9400					
	0041		Q3220	05	1					
	0110		Q3221	A3991203	9912					
	0139		Q3222	A3991102	9911					
	0208		Q3223	A3991201 comp	9912					
	0237		Q3224	A3991101 comp	9911					

370/1028

STL BUFFALO

0000

Reviewed By

GCMS VOLATILE INJECTION LOG

I.S. / SS MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH<2	COMMENTS
ISI-L											BASI
											0.45ml (A3I--
		—	—	—	99	KC	102				
					103	99	69				
					101	98	105			≤2	foam
					100	96	89				foam
					99	100	67				
					—	—	—				not shot
					102	102	107			27	
					102	99	102			7L	
					103	100	107			≤2	
					103	102	107				
					101	101	109				
					103	97	104			712	
					103	100	99			≤2	
					101	101	101				
					101	96	101				
					102	95	105				
					103	95	101				
					104	98	104				
					105	93	107				
					103	98	105				
					105	98	103			27	
					104	98	103			≤2	
					102	98	104				
					107	98	88				

3711028

Page 1

Date _____

000009

NO. _____

GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID	JOB #	INJ. VOL.	EXT. WHT.	D.F.	STANDARD MIX #	I.S. / SS MI
10/15/03	0305	@	Q3225	A39900 04	9900	5ml	—	5		ISS1-L
	0334		Q3226	03				10		
	0403		Q3227	02				10		
	0432		Q3228	01				5		
	0500		Q3229	A39894 01	9894			10	~~WS20~~	
	0529		Q3230	LCSD	QC				WS20 0-4, WS 6m-2, WS 9k-4	

372/1028

STL BUFFALO

000010

Reviewed By _____ N _____ Page

GCMS VOLATILE INJECTION LOG

I.S. / SS MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH<2	COMMENTS
BSS1-L		~~105~~	~~96~~	—	105	96	102			52	foam
		—	—	—	104	97	101			~7	foam
					101	96	107		Y		APP20
					103	95	103				
					106	88	97			≤2	
					103	100	100				

373/1028

Date _____

NO. _____

GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID		JOB #	INJ. VOL.	EXT. WHT.	D.F.	SYR. #	STANDARD MIX #	I.S. / SS MIX #	I.S. #1 % REC.
9/8/03	1986	JL	R2040	A3854601 50 A		8546	5_1	—	1	—	WS3H-1	IS11K/10,000	104
9/10/03		JL	R2041	0910 BFBR1		—	5_1	—	—	—	WS1E-2	IS51	
9/10/03	1524	@	R2066	C1016 BPBR1		ICAL	1µl	—	—	—	WS1F-1		
	1549		R2067	VSTD005	E1		5ml				WS2CK-1, WS6M-1, WS7CK-1, WS11AC-1	IS8K/ISSUA	
	1600		R2068	VSTD005	E2								
	1624		R2069	CCV	E1								
	1647		R2070	CCV	E2								
	1651		R2071	ICV	E1								
	1716		R2072	ICV	E2								
	1740		R2073	CCV	E1								
	1857		R2074	ADD005	E1	QC					WS5J-2		
	1914		R2075	ADD005	E2						1		
	1928		R2076	LCS (NC)	E1						WS19K-4, WS2CK-1, WS6M-1		
	1944		R2077	LCSD (NC)	E2						1		
	1959		R2078	VBLK53	E1								
	2015		R2079	VBLK64	E2								
	2030		R2080	A39900 01	E1	9900			20				
	2045		R2081	A39945 01	E2	9945			1				
	2100		R2082	01 comb	E1	1			1				
	2115		R2083	A39947 01	E2	9947			10				
	2130		R2084	A39951 01	E1	9951			1				
	—		R2085	A39953 01	E2	9953			10				
	—		R2086	A39978 01	E1	9978			10				
	2216		R2087	02	E2				10				
	2231		R2088	03	E1				5				
	2246		R2089	03ms	E2				5		WS19K-4, WS2CK-1, WS6M-1		
	2301		R2090	03SD	E1				5		1		
	2316		R2091	04	E2				1				

SEVERN TRENT LABORATORIES, INC. 000048 Reviewed By JL NO. Page

10/17/03

374/1028

375/1028

GCMS VOLATILE INJECTION LOG

S. / SS MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH	COMMENTS
50K/10 µm		104	107	102	101	99	92			52	
1551											
											Pass
[illegible]											624 Sal Initial (A31 1348)
											624 APM Sal
					98	99	100			—	
					95	99	100			—	
					92	99	103			—	
					96	99	101			—	
					96	98	103			52	
					100	99	101				
					100	98	105				
					102	98	98				Fem
					93	101	103				
											Fem didn't shoot
										~7	
					110	98	105			~5	
					108	98	102			52	
					111	100	101				
					106	99	100				
					104	100	104				

Page 1

Date 10/17/03

000049

NO. _____

Page 2

GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID		JOB #	INJ. VOL.	EXT. WHT.	D.F.	SYR. #	STANDARD MIX #	I.S. / SS MI...	...S REC.
10/16/03	2332	DGO	R2092	A3997805	E1	9978	5ml					ISKAN...	
	2347		R2093	A39981 01	E2	9981							
10/17/03	0002		R2094	02	E1								
	0017		R2095	03	E2								
	0032		R2096	04	E1								
	0047		R2097	05	E2								
	0102		R2098	06	E1								
	0117		R2099	A39995 01	E2	9995							
	0132		R2100	02	E1								
	0200		R2101 ×	~~03~~ 04	E2								
	0228		R2102	~~04~~ 05FD	E1								
	0256		R2103	~~05~~ 07	E2								
	0324		R2104	~~05FA~~ 09	E1								
			R2105	06	E2								
			R2106	07	E1								
			R2107	08	E2								
			R2108	09	E1								
			R2109	10	E2								
10/17/03	0957	[illegible]	R2110	LCS	E1	—					WSGM-2, WS19K-4, WS20P-1		
	1014		R2111	LCS ok	E2	—							
	1114		R2112	A3999503 B	1	9995			1				
	1131		R2113	05 A	2				1				
	1146		R2114	06 A	1				1				
	1201		R2115	08 A	2				1				
	1216		R2116	10 A	1				1				
	1231		R2117	A3A00701 A	2	A007			5				
	1248		R2118	02 A	1				2				
	1308		R2119	03 A	2				5				
	1325		R2120	04 A	1				1				

SEVERN TRENT LABORATORIES, INC.

000050

Reviewed By [illegible]

NO.

GCMS VOLATILE INJECTION LOG

SS MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH	COMMENTS
					105	100	106			5.2	
					110	99	104				
					106	99	105				
					109	100	102				
					108	97	104				
					110	100	104				
					110	97	106				
					110	99	104				
					111	99	105				
					110	99	103				
					111	100	106				
					112	100	105				
					111	99	105				
											Not shot on 10/17/03 Calibration Error
					111	99	98				
					113	102	102				
					103	96	105			5.2	
					111	99	103				
					107	96	104				
					109	98	103				
					110	100	107				
					112	104	107				From CCP
					118	109	108				1 Surrogate
					121	(112)	106		Y		
					121	(111)	110		Y		

Page

Date 10/7/03

0000510

NO. _____ Page 2

377/1028

GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID	JOB #	INJ. VOL.	EXT. WHT.	D.F.	SYR. #	STANDARD MIX #	I.S. / SS MIX #
1/17/03	1335		R2121	A3A007 05 A 2	A007	5	—	10	—		ISS10 AK/A9
	1350		R2122	06 A 1				1			
	1405		R2123	07 A 2				1			
	1420		R2124	A39953 02 A	9953			10			
	1435		R2125	A39978 01 A	9978			10			
	1450		R2126	A39978 01 ms				100		WS6M-2, WS9K-4, WS20P-1	
	1505		R2127	01 SD				1			—
1/18/03	1229		R2128	1020BFB01	ICAL	1uL	—	—	—		
	1249		R2129	VSTD100		5uL				WS20R-1, WS6M-2, WS12S-5, WS13AC-2	ISS10 AK/A9
	1306		R2130	VSTD050							
	1321		R2131	VSTD005							
	1425		R2132	VSTD050							
	1505		R2133	ADD010						WS20S-1, WS15F-1, WS20Q-1	
	1538		R2134	MSB	QC					WS20R-1, WS6M-2, WS13AK-4	
	1601		R2135	VBLK85							
	1655		R2136	A39764 03	9764			1000			
	1723		R2137	A39978 01	9978			10			
	1751		R2138	A39953 02	9953			10			
	1819		R2139	A3A007 03	A007			5			
	1847		R2140	04				1			
	1914		R2141	06				1			
	1942		R2142	07				1			
	2010		R2143	A3A077 01	A077			1			
	2038		R2144	02				1			
	2106		R2145	A3A053 01	A053			1			
	2134		R2146	02				1			
	2202		R2147	A3A045 01	A045			1			
	2230		R2148	02				1			
	2258		R2149	03				1			

SEVERN TRENT LABORATORIES, INC.

000052

Reviewed By _____ NO. _____ Page _____ Date _____

GCMS VOLATILE INJECTION LOG

SS MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH	COMMENTS
0 AK/A9					123	110	107			S2	Foams
					121	112	110		Y		Surr out
					125	112	106				
					125	112	108			S2	Foams
					121	112	105			~7	
					123	112	103			—	
					122	114	103			—	
											Pass
AK/B3											8024 (A3I...1357)
					100	100	99			—	
					96	100	103			—	
					97	100	103			~7	Foam
					96	99	103				
					99	99	104			S2	
					98	100	104				
					99	99	104				
					100	98	102				
					99	98	105				
					103	100	105				
					103	99	106				
					101	98	103				
					102	99	105				
					103	98	103				
					102	100	106				
					105	100	103				

Page

Date 10/21/03

NO. _____ Page 2

000053

379/1028

SEMIVOLATILES DATA

QC SUMMARY

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

	Client Sample ID	2FP %REC	#	FBP %REC	#	NBZ %REC	#	PHL %REC	#	TBP %REC	#	TPH %REC	#			TOT OUT
1	FB101303	32		70		58		20		59		81				0
2	FB101403	40		92		76		25		70		95				0
3	FB101503	44		87		78		29		71		92				0
4	GEI-10G	49		90		75		34		94		72				0
5	GEI-3G	40		90		75		28		92		93				0
6	GEI-5G	37		88		70		26		92		80				0
7	GEI-6G	48		101		88		33		107		73				0
8	GEI-6S	37		101		76		26		99		100				0
9	Matrix Spike Blank	38		85		70		27		84		96				0
10	Matrix Spike Blank	48		101		87		34		94		103				0
11	S Blank	40		81		71		27		66		94				0
12	S Blank	53		102		88		34		75		102				0
13	W-5R	42		86		73		31		86		79				0
14	W-5R	38		87		76		27		86		83				0
15	W-5R	39		91		78		29		87		84				0
16	WE-10R	49		96		83		33		89		92				0
17	WE-10S	48		94		81		33		100		90				0
18	WE-5S	32		102		75		24		88		102				0
19	WE-6R	40		80		69		27		88		82				0
20	WE-7R	45		90		80		29		79		91				0
21	WE-7S	48		101		85		33		97		93				0

			QC LIMITS
2FP	=	2-Fluorophenol	(16-120)
FBP	=	2-Fluorobiphenyl	(46-120)
NBZ	=	Nitrobenzene-D5	(37-120)
PHL	=	Phenol-D5	(10-110)
TBP	=	2,4,6-Tribromophenol	(45-136)
TPH	=	p-Terphenyl-d14	(41-134)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Acenaphthene	47.1	0	38.7	82	47 - 120
Acenaphthylene	47.1	0	40.4	86	35 - 129
Anthracene	47.1	0	35.8	76	49 - 133
Benzidine	47.1	0	0.775	2	1 - 120
Benzo(a)anthracene	47.1	0	44.0	93	50 - 143
Benzo(b)fluoranthene	47.1	0	44.7	95	59 - 138
Benzo(k)fluoranthene	47.1	0	36.7	78	50 - 143
Benzo(ghi)perylene	47.1	0	46.5	99	44 - 153
Benzo(a)pyrene	47.1	0	42.1	89	57 - 140
Bis(2-chloroethoxy) m(1)	47.1	0	38.4	81	40 - 120
Bis(2-chloroethyl) ether	47.1	0	32.8	70	35 - 120
2,2'-Oxybis(1-Chlorop(2)	47.1	0	33.5	71	33 - 120
Bis(2-ethylhexyl) pht(3)	47.1	0.341	45.5	96	49 - 158
4-Bromophenyl phenyl (4)	47.1	0	36.9	78	53 - 127
[redacted]l benzyl phthalate	47.1	0	43.8	93	47 - 147
Cresol, p-Chloro-m-	47.1	0	45.2	96	45 - 138
2-Chloronaphthalene	47.1	0	35.4	75	60 - 120
2-Chlorophenol	47.1	0	31.5	67	31 - 120
4-Chlorophenyl phenyl(5)	47.1	0	40.3	86	43 - 126
Chrysene	47.1	0	38.9	82	55 - 146
Dibenzo(a,h)anthracene	47.1	0	43.3	92	45 - 153
1,3-Dichlorobenzene	47.1	0	21.6	46	11 - 120
1,2-Dichlorobenzene	47.1	0	24.6	52	32 - 120
1,4-Dichlorobenzene	47.1	0	23.0	49	20 - 120
3,3'-Dichlorobenzidine	47.1	0	30.2	64	35 - 143
2,4-Dichlorophenol	47.1	0	41.2	87	43 - 123
Diethyl phthalate	47.1	0	44.4	94	44 - 120
2,4-Dimethylphenol	47.1	0.250	43.5	92	42 - 120
Dimethyl phthalate	47.1	0	43.4	92	54 - 120
Cresol, 4,6-Dinitro-O(6)	47.1	0	32.9	70	32 - 156
1,2-Diphenylhydrazine	47.1	0	40.7	86	47 - 146
2,4-Dinitrophenol	47.1	0	31.5	67	16 - 127
2,4-Dinitrotoluene	47.1	0	50.2	106	51 - 139
2,6-Dinitrotoluene	47.1	0	44.1	94	55 - 144
Di-n-butyl phthalate	47.1	1.23	37.7	77	53 - 120
Di-n-octyl phthalate	47.1	0.260	44.8	94	56 - 146
Fluoranthene	47.1	0	37.0	79	46 - 137
Fluorene	47.1	0	42.9	91	59 - 121
Hexachlorobenzene	47.1	0	35.2	75	54 - 133
[redacted]achlorobutadiene	47.1	0	21.5	46	24 - 120
[redacted]achlorocyclopentad(7)	47.1	0	11.9	25	5 - 120
Hexachloroethane	47.1	0	18.5	39 *	40 - 113
Indeno(1,2,3-cd)pyrene	47.1	0	46.5	99	50 - 147
Isophorone	47.1	0	38.0	80	34 - 120
Naphthalene	47.1	0	32.7	69	27 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

latrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Nitrobenzene	47.1	0	35.5	75	35 - 120
2-Nitrophenol	47.1	0	38.2	81	34 - 123
4-Nitrophenol	47.1	0	21.8	46	22 - 120
N-Nitrosodimethylamine	47.1	0	22.3	47	19 - 120
N-Nitroso-Di-n-propyl(8)	47.1	0	38.5	82	40 - 120
N-nitrosodiphenylamine	47.1	0	32.6	69	54 - 125
Pentachlorophenol	47.1	0	39.9	85	37 - 147
Phenanthrene	47.1	0	35.4	75	56 - 120
Phenol	47.1	0	14.0	30	12 - 120
Pyrene	47.1	0	47.1	100	52 - 120
1,2,4-Trichlorobenzene	47.1	0	26.9	57	44 - 120
2,4,6-Trichlorophenol	47.1	0	44.7	95	48 - 136

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	47.1	39.8	84	2	25	47 - 120
Acenaphthylene	47.1	41.0	87	1	22	35 - 129
Anthracene	47.1	36.1	76	0	15	49 - 133
Benzidine	47.1	0.757	2	0	50	1 - 120
Benzo(a)anthracene	47.1	44.7	95	2	15	50 - 143
Benzo(b)fluoranthene	47.1	40.4	86	10	17	59 - 138
Benzo(k)fluoranthene	47.1	44.2	94	19	19	50 - 143
Benzo(ghi)perylene	47.1	47.9	102	3	19	44 - 153
Benzo(a)pyrene	47.1	43.4	92	3	15	57 - 140
Bis(2-chloroethoxy) m(1)	47.1	39.1	83	2	23	40 - 120
Bis(2-chloroethyl) ether	47.1	34.3	73	4	33	35 - 120
2,2'-Oxybis(1-Chlorop(2)	47.1	35.4	75	5	36	33 - 120
Bis(2-ethylhexyl) pht(3)	47.1	46.7	98	2	15	49 - 158
4-Bromophenyl phenyl (4)	47.1	37.7	80	2	16	53 - 127
Butyl benzyl phthalate	47.1	46.3	98	5	15	47 - 147
4-Chloro-3-methylphenol	47.1	45.1	96	0	16	45 - 138
2-Chloronaphthalene	47.1	36.6	78	4	30	60 - 120
2-Chlorophenol	47.1	32.2	68	1	26	31 - 120
4-Chlorophenyl phenyl(5)	47.1	41.2	87	1	15	43 - 126
Chrysene	47.1	40.3	85	4	15	55 - 146
Dibenzo(a,h)anthracene	47.1	44.0	93	1	18	45 - 153
1,3-Dichlorobenzene	47.1	22.8	48	4	37	11 - 120
1,2-Dichlorobenzene	47.1	25.9	55	6	38	32 - 120
1,4-Dichlorobenzene	47.1	24.3	52	6	40	20 - 120
3,3'-Dichlorobenzidine	47.1	32.9	70	9	31	35 - 143
2,4-Dichlorophenol	47.1	41.2	87	0	23	43 - 123
Diethyl phthalate	47.1	44.5	94	0	15	44 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	47.1	44.2	93		1		18	42 - 120
Dimethyl phthalate	47.1	44.1	93		1		15	54 - 120
4,6-Dinitro-2-methylp(6)	47.1	33.8	72		3		30	32 - 156
1,2-Diphenylhydrazine	47.1	40.3	86		0		20	47 - 146
2,4-Dinitrophenol	47.1	32.2	68		1		29	16 - 127
2,4-Dinitrotoluene	47.1	50.8	108		2		20	51 - 139
2,6-Dinitrotoluene	47.1	45.2	96		2		17	55 - 144
Di-n-butyl phthalate	47.1	38.1	78		1		15	53 - 120
Di-n-octyl phthalate	47.1	45.4	96		2		15	56 - 146
Fluoranthene	47.1	38.7	82		4		15	46 - 137
Fluorene	47.1	43.6	92		1		18	59 - 121
Hexachlorobenzene	47.1	36.1	76		1		15	54 - 133
Hexachlorobutadiene	47.1	22.1	47		2		50	24 - 120
Hexachlorocyclopentad(7)	47.1	13.8	29		15		50	5 - 120
Hexachloroethane	47.1	19.4	41		5		43	40 - 113
[illegible]no(1,2,3-cd)pyrene	47.1	47.9	102		3		17	50 - 147
[illegible]phorone	47.1	38.4	81		1		21	34 - 120
Naphthalene	47.1	34.4	73		6		31	27 - 120
Nitrobenzene	47.1	35.5	75		0		27	35 - 120
2-Nitrophenol	47.1	39.8	84		4		28	34 - 123
4-Nitrophenol	47.1	22.0	47		2		24	22 - 120
N-Nitrosodimethylamine	47.1	22.9	48		2		22	19 - 120
N-Nitroso-Di-n-propyl(8)	47.1	39.8	84		2		23	40 - 120
N-nitrosodiphenylamine	47.1	33.1	70		1		15	54 - 125
Pentachlorophenol	47.1	39.3	83		2		21	37 - 147
Phenanthrene	47.1	37.3	79		5		16	56 - 120
Phenol	47.1	14.9	32		6		36	12 - 120
Pyrene	47.1	47.4	101		1		15	52 - 120
1,2,4-Trichlorobenzene	47.1	28.5	60		5		34	44 - 120
2,4,6-Trichlorophenol	47.1	44.8	95		0		20	48 - 136

(1) Bis(2-chloroethoxy) methane
(2) 2,2'-Oxybis(1-Chloropropane)
(3) Bis(2-ethylhexyl) phthalate
(4) 4-Bromophenyl phenyl ether
(5) 4-Chlorophenyl phenyl ether
(6) 4,6-Dinitro-2-methylphenol
(7) Hexachlorocyclopentadiene
(8) N-Nitroso-Di-n-propylamine

#[illegible]umn to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix Spike - Client Sample No.: W-5R

PD: 0 out of 57 outside limits
pike recovery: 1 out of 114 outside limits

omments: _____
_____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Acenaphthene	50.0	38.1	76		47 - 120
Acenaphthylene	50.0	39.0	78		35 - 129
Anthracene	50.0	40.8	82		49 - 133
Benzidine	50.0	16.6	33		1 - 120
Benzo(a)anthracene	50.0	48.1	96		50 - 143
Benzo(b)fluoranthene	50.0	48.4	97		59 - 138
Benzo(k)fluoranthene	50.0	44.6	89		50 - 143
Benzo(ghi)perylene	50.0	51.1	102		44 - 153
Benzo(a)pyrene	50.0	48.2	96		57 - 140
Bis(2-chloroethoxy) m(1)	50.0	37.0	74		40 - 120
Bis(2-chloroethyl) ether	50.0	32.5	65		35 - 120
2,2'-Oxybis(1-Chlorop(2)	50.0	30.9	62		33 - 120
Bis(2-ethylhexyl) pht(3)	50.0	45.9	92		49 - 158
4-Bromophenyl phenyl (4)	50.0	38.2	76		53 - 127
[illegible]l benzyl phthalate	50.0	45.2	90		47 - 147
[illegible]sol, p-Chloro-m-	50.0	43.0	86		45 - 138
2-Chloronaphthalene	50.0	31.6	63		60 - 120
2-Chlorophenol	50.0	31.4	63		31 - 120
4-Chlorophenyl phenyl(5)	50.0	42.0	84		43 - 126
Chrysene	50.0	43.5	87		55 - 146
Dibenzo(a,h)anthracene	50.0	49.3	99		45 - 153
1,3-Dichlorobenzene	50.0	13.2	26		11 - 120
1,2-Dichlorobenzene	50.0	16.0	32		32 - 120
1,4-Dichlorobenzene	50.0	14.5	29		20 - 120
3,3'-Dichlorobenzidine	50.0	52.7	105		35 - 143
2,4-Dichlorophenol	50.0	39.4	79		43 - 123
Diethyl phthalate	50.0	48.2	96		44 - 120
2,4-Dimethylphenol	50.0	41.1	82		42 - 120
Dimethyl phthalate	50.0	47.2	94		54 - 120
Cresol, 4,6-Dinitro-O(6)	50.0	39.4	79		32 - 156
1,2-Diphenylhydrazine	50.0	42.5	85		47 - 146
2,4-Dinitrophenol	50.0	33.0	66		16 - 127
2,4-Dinitrotoluene	50.0	48.8	98		51 - 139
2,6-Dinitrotoluene	50.0	46.2	92		55 - 144
Di-n-butyl phthalate	50.0	41.8	82		53 - 120
Di-n-octyl phthalate	50.0	46.3	93		56 - 146
Fluoranthene	50.0	42.1	84		46 - 137
Fluorene	50.0	44.2	88		59 - 121
Hexachlorobenzene	50.0	39.3	79		54 - 133
[illegible]achlorobutadiene	50.0	10.8	22	*	24 - 120
[illegible]achlorocyclopentad(7)	50.0	12.5	25		5 - 120
Hexachloroethane	50.0	9.18	18	*	40 - 113
Indeno(1,2,3-cd)pyrene	50.0	51.1	102		50 - 147
Isophorone	50.0	36.7	73		34 - 120
Naphthalene	50.0	27.5	55		27 - 120

FORM III GC/MS BNA

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182602

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Nitrobenzene	50.0	33.9	68		35 - 120
2-Nitrophenol	50.0	36.2	72		34 - 123
4-Nitrophenol	50.0	20.1	40		22 - 120
N-Nitrosodimethylamine	50.0	22.9	46		19 - 120
N-Nitroso-Di-n-propyl(8)	50.0	36.2	72		40 - 120
N-nitrosodiphenylamine	50.0	31.7	63		54 - 125
Pentachlorophenol	50.0	35.9	72		37 - 147
Phenanthrene	50.0	41.2	82		56 - 120
Phenol	50.0	14.9	30		12 - 120
Pyrene	50.0	51.6	103		52 - 120
1,2,4-Trichlorobenzene	50.0	18.3	37	*	44 - 120
2,4,6-Trichlorophenol	50.0	44.0	88		48 - 136

1) Bis(2-chloroethoxy) methane
2) 2,2'-Oxybis(1-Chloropropane)
3) Bis(2-ethylhexyl) phthalate
4) 4-Bromophenyl phenyl ether
5) 4-Chlorophenyl phenyl ether
6) 4,6-Dinitro-2-methylphenol
7) Hexachlorocyclopentadiene
8) N-Nitroso-Di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 3 out of 57 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

[redacted]ame: STL Buffalo Contract: _____ Lab Samp ID: A3B1188102

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acenaphthene	50.0	47.4	95	47 - 120
Acenaphthylene	50.0	48.2	96	35 - 129
Anthracene	50.0	44.5	89	49 - 133
Benzidine	50.0	10.6	21	1 - 120
Benzo(a)anthracene	50.0	52.5	105	50 - 143
Benzo(b)fluoranthene	50.0	51.1	102	59 - 138
Benzo(k)fluoranthene	50.0	51.3	103	50 - 143
Benzo(ghi)perylene	50.0	47.1	94	44 - 153
Benzo(a)pyrene	50.0	51.6	103	57 - 140
Bis(2-chloroethoxy) m(1)	50.0	46.3	93	40 - 120
Bis(2-chloroethyl) ether	50.0	39.6	79	35 - 120
2,2'-Oxybis(1-Chlorop(2)	50.0	40.6	81	33 - 120
Bis(2-ethylhexyl) pht(3)	50.0	54.1	108	49 - 158
4-Bromophenyl phenyl (4)	50.0	44.2	88	53 - 127
[redacted]yl benzyl phthalate	50.0	52.4	105	47 - 147
[redacted]sol, p-Chloro-m-	50.0	52.0	104	45 - 138
2-Chloronaphthalene	50.0	46.3	93	60 - 120
2-Chlorophenol	50.0	37.9	76	31 - 120
4-Chlorophenyl phenyl(5)	50.0	49.2	98	43 - 126
Chrysene	50.0	46.6	93	55 - 146
Dibenzo(a,h)anthracene	50.0	44.5	89	45 - 153
1,3-Dichlorobenzene	50.0	35.6	71	11 - 120
1,2-Dichlorobenzene	50.0	37.0	74	32 - 120
1,4-Dichlorobenzene	50.0	36.7	73	20 - 120
3,3'-Dichlorobenzidine	50.0	53.5	107	35 - 143
2,4-Dichlorophenol	50.0	50.1	100	43 - 123
Diethyl phthalate	50.0	50.7	102	44 - 120
2,4-Dimethylphenol	50.0	48.4	97	42 - 120
Dimethyl phthalate	50.0	49.3	99	54 - 120
Cresol, 4,6-Dinitro-O(6)	50.0	43.5	87	32 - 156
1,2-Diphenylhydrazine	50.0	47.9	96	47 - 146
2,4-Dinitrophenol	50.0	37.7	76	16 - 127
2,4-Dinitrotoluene	50.0	52.3	105	51 - 139
2,6-Dinitrotoluene	50.0	51.3	103	55 - 144
Di-n-butyl phthalate	50.0	45.0	89	53 - 120
Di-n-octyl phthalate	50.0	54.6	109	56 - 146
Fluoranthene	50.0	43.7	88	46 - 137
Fluorene	50.0	50.8	102	59 - 121
Hexachlorobenzene	50.0	42.2	84	54 - 133
[redacted]xachlorobutadiene	50.0	38.6	77	24 - 120
[redacted]achlorocyclopentad(7)	50.0	50.6	101	5 - 120
Hexachloroethane	50.0	33.5	67	40 - 113
Indeno(1,2,3-cd)pyrene	50.0	47.1	94	50 - 147
Isophorone	50.0	45.4	91	34 - 120
Naphthalene	50.0	44.1	88	27 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1188102

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Nitrobenzene	50.0	42.3	85	35 - 120
2-Nitrophenol	50.0	47.3	95	34 - 123
4-Nitrophenol	50.0	22.5	45	22 - 120
N-Nitrosodimethylamine	50.0	27.5	55	19 - 120
N-Nitroso-Di-n-propyl(8)	50.0	43.2	86	40 - 120
N-nitrosodiphenylamine	50.0	37.6	75	54 - 125
Pentachlorophenol	50.0	39.8	80	37 - 147
Phenanthrene	50.0	44.2	88	56 - 120
Phenol	50.0	18.9	38	12 - 120
Pyrene	50.0	51.5	103	52 - 120
1,2,4-Trichlorobenzene	50.0	41.1	82	44 - 120
2,4,6-Trichlorophenol	50.0	51.9	104	48 - 136

(1) Bis(2-chloroethoxy) methane
(2) 2,2'-Oxybis(1-Chloropropane)
(3) Bis(2-ethylhexyl) phthalate
(4) 4-Bromophenyl phenyl ether
(5) 4-Chlorophenyl phenyl ether
(6) 4,6-Dinitro-2-methylphenol
(7) Hexachlorocyclopentadiene
(8) N-Nitroso-Di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 57 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
METHOD BLANK SUMMARY

Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab File ID: X57984.RR Lab Sample ID: A3B1182602

nstrument ID: I50X-A Date Extracted: 10/17/2003

latrix: (soil/water) WATER Date Analyzed: 10/18/2003

evel: (low/med) LOW Time Analyzed: 11:46

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	FB101303	A3990005	X57989.RR	10/18/2003
2	FB101403	A3997804	X57995.RR	10/18/2003
3	GEI-3G	A3990001	X57985.RR	10/18/2003
4	GEI-5G	A3990002	X57986.RR	10/18/2003
5	GEI-6G	A3997801	X57990.RR	10/18/2003
6	GEI-6S	A3997802	X57991.RR	10/18/2003
7	Matrix Spike Blank	A3B1182601	X57983.RR	10/18/2003
8	W-5R	A3997803	X57992.RR	10/18/2003
9	W-5R	A3997803MS	X57993.RR	10/18/2003
10	W-5R	A3997803SD	X57994.RR	10/18/2003
11	WE-5S	A3990003	X57987.RR	10/18/2003
12	WE-6R	A3990004	X57988.RR	10/18/2003

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
METHOD BLANK SUMMARY

Client No.
S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab File ID: X58015.RR Lab Sample ID: A3B1188102

nstrument ID: I50X-A Date Extracted: 10/17/2003

latrix: (soil/water) WATER Date Analyzed: 10/21/2003

evel: (low/med) LOW Time Analyzed: 11:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	FB101503	A3A00706	X58037.RR	10/22/2003
2	GEI-10G	A3A00701	X58032.RR	10/21/2003
3	Matrix Spike Blank	A3B1188101	X58014.RR	10/21/2003
4	WE-10R	A3A00702	X58033.RR	10/21/2003
5	WE-10S	A3A00703	X58034.RR	10/21/2003
6	WE-7R	A3A00704	X58035.RR	10/21/2003
7	WE-7S	A3A00705	X58036.RR	10/21/2003

Comments: _____

WASTE MANAGEMENT - CLOSED SITES
KIN-BUC
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL Buffalo Contract: _____ Tune ID: A3T0002595

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: X57977 DFTPP Injection Date: 10/18/2003

Instrument ID: I50X-A DFTPP Injection Time: 08:01

m/e	ION Abundance Criteria	% Relative Abundance		
51	30.0 - 60.0% of mass 198	36.8		
68	Less than 2.0% of mass 69	0.4	(0.8)	1
69	Present	48.2		
70	Less than 2.0% of mass 69	0.0	(0.0)	1
127	40.0 - 60.0% of mass 198	46.7		
197	Less than 1.0% of mass 198	0.0		
198	Base peak, 100% relative abundance	100.0		
199	5.0 - 9.0% of mass 198	6.5		
275	10.0 - 30.0% of mass 198	23.5		
365	Greater than 1.00% of mass 198	2.2		
441	Present, but less than mass 443	9.4		
442	40.0 - 110.0% of mass 198	79.7		
443	17.0 - 23.0% of mass 442	15.3	(19.2)	2

1-Value is % mass 69 2-Value is % mass 442

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD020	A3I0001355-1	X57978.RR	10/18/2003	08:24
2	SSTD080	A3I0001355-1	X57979.RR	10/18/2003	08:57
3	SSTD160	A3I0001355-1	X57980.RR	10/18/2003	09:31
4	Matrix Spike Blank	A3B1182601	X57983.RR	10/18/2003	11:12
5	S Blank	A3B1182602	X57984.RR	10/18/2003	11:46
6	GEI-3G	A3990001	X57985.RR	10/18/2003	12:19
7	GEI-5G	A3990002	X57986.RR	10/18/2003	12:53
8	WE-5S	A3990003	X57987.RR	10/18/2003	13:27
9	WE-6R	A3990004	X57988.RR	10/18/2003	14:00
10	FB101303	A3990005	X57989.RR	10/18/2003	14:34
11	GEI-6G	A3997801	X57990.RR	10/18/2003	15:08
12	GEI-6S	A3997802	X57991.RR	10/18/2003	15:41
13	W-5R	A3997803	X57992.RR	10/18/2003	16:15
14	W-5R	A3997803MS	X57993.RR	10/18/2003	16:49
15	W-5R	A3997803SD	X57994.RR	10/18/2003	17:22
16	FB101403	A3997804	X57995.RR	10/18/2003	17:56

WASTE MANAGEMENT - CLOSED SITES
KIN-BUC
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL Buffalo Contract: _____ Tune ID: A3T0002609

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID: X58008 DFTPP Injection Date: 10/21/2003

Instrument ID: I50X-A DFTPP Injection Time: 07:58

m/e	ION Abundance Criteria	% Relative Abundance		
51	30.0 - 60.0% of mass 198	34.3		
68	Less than 2.0% of mass 69	0.0	(0.0)	1
69	Present	46.8		
70	Less than 2.0% of mass 69	0.0	(0.0)	1
127	40.0 - 60.0% of mass 198	46.9		
197	Less than 1.0% of mass 198	0.0		
198	Base peak, 100% relative abundance	100.0		
199	5.0 - 9.0% of mass 198	5.9		
275	10.0 - 30.0% of mass 198	23.2		
365	Greater than 1.00% of mass 198	2.3		
441	Present, but less than mass 443	9.3		
442	40.0 - 110.0% of mass 198	83.5		
443	17.0 - 23.0% of mass 442	14.7	(17.6)	2

1-Value is % mass 69 2-Value is % mass 442

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD020	A3I0001358-1	X58009.RR	10/21/2003	08:21
2	SSTD080	A3I0001358-1	X58010.RR	10/21/2003	08:54
3	SSTD160	A3I0001358-1	X58011.RR	10/21/2003	09:28
4	Matrix Spike Blank	A3B1188101	X58014.RR	10/21/2003	11:09
5	S Blank	A3B1188102	X58015.RR	10/21/2003	11:43
6	GEI-10G	A3A00701	X58032.RR	10/21/2003	21:16
7	WE-10R	A3A00702	X58033.RR	10/21/2003	21:50
8	WE-10S	A3A00703	X58034.RR	10/21/2003	22:23
9	WE-7R	A3A00704	X58035.RR	10/21/2003	22:57
10	WE-7S	A3A00705	X58036.RR	10/21/2003	23:30
11	FB101503	A3A00706	X58037.RR	10/22/2003	00:04

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001355

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID (Standard): X57979.RR Date Analyzed: 10/18/2003

Instrument ID: I50X-A Time Analyzed: 08:24

		IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	632230		14.71		932040		21.38		276492		7.71	
	UPPER LIMIT	1264460		15.21		1864080		21.88		552984		8.21	
	LOWER LIMIT	316115		14.21		466020		20.88		138246		7.21	
	CLIENT SAMPLE												
1	FB101303	588256		14.71		947718		21.37		273354		7.71	
2	FB101403	527858		14.71		831125		21.37		267022		7.71	
3	GEI-3G	616474		14.71		885017		21.37		266633		7.71	
4	GEI-5G	601791		14.71		853999		21.37		258256		7.71	
5	GEI-6G	638705		14.71		827421		21.37		275121		7.71	
6	GEI-6S	582320		14.71		789318		21.37		263234		7.71	
7	Matrix Spike Blank	492204		14.71		691920		21.37		238146		7.71	
8	MS Blank	518340		14.71		812543		21.36		243642		7.71	
9	W-5R	569994		14.71		855939		21.37		267786		7.71	
10	W-5R	609588		14.72		828606		21.38		281260		7.71	
11	W-5R	576962		14.72		781942		21.38		260276		7.71	
12	WE-5S	585734		14.71		872018		21.36		262180		7.71	
13	WE-6R	685360		14.72		934778		21.37		303135		7.71	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001355

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID (Standard): X57979.RR Date Analyzed: 10/18/2003

Instrument ID: I50X-A Time Analyzed: 08:24

		IS4 (NPT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1085065		10.59		934915		17.46		774689		23.82	
	UPPER LIMIT	2170130		11.09		1869830		17.96		1549378		24.32	
	LOWER LIMIT	542533		10.09		467458		16.96		387345		23.32	
	CLIENT SAMPLE												
1	FB101303	1049765		10.59		1019027		17.46		790198		23.80	
2	FB101403	996899		10.59		900854		17.46		737802		23.81	
3	GEI-3G	1052913		10.59		976983		17.46		743866		23.81	
4	GEI-5G	1004611		10.59		934864		17.46		733584		23.81	
5	GEI-6G	1057396		10.59		929635		17.46		856574		23.83	
6	GEI-6S	995545		10.59		895095		17.46		741278		23.82	
7	Matrix Spike Blank	917451		10.59		814579		17.46		626075		23.81	
8	S Blank	927353		10.59		873305		17.45		667688		23.81	
9	W-5R	1007408		10.59		945165		17.46		754827		23.81	
10	W-5R	1074199		10.60		1016499		17.46		755731		23.82	
11	W-5R	1024067		10.60		955019		17.46		710439		23.82	
12	WE-5S	1023936		10.59		958090		17.45		717278		23.81	
13	WE-6R	1178810		10.59		1044720		17.46		848610		23.82	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001358

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID (Standard): X58010.RR Date Analyzed: 10/21/2003

Instrument ID: I50X-A Time Analyzed: 08:21

		IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	609839		14.61		813258		21.29		261056		7.62	
	UPPER LIMIT	1219678		15.11		1626516		21.79		522112		8.12	
	LOWER LIMIT	304920		14.11		406629		20.79		130528		7.12	
	CLIENT SAMPLE												
1	FB101503	643545		14.61		847568		21.28		294490		7.62	
2	GEI-10G	674271		14.61		849718		21.28		314511		7.62	
3	Matrix Spike Blank	620578		14.61		807971		21.29		284915		7.62	
4	S Blank	526821		14.61		735458		21.28		248113		7.62	
5	WE-10R	554670		14.61		762897		21.28		257734		7.62	
6	WE-10S	629923		14.61		832667		21.28		281879		7.62	
7	WE-7R	604060		14.61		809084		21.28		277231		7.62	
8	E-7S	679961		14.63		839754		21.28		324931		7.62	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001358

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab File ID (Standard): X58010.RR Date Analyzed: 10/21/2003

Instrument ID: I50X-A Time Analyzed: 08:21

		IS4 (NPT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1073378		10.51		901312		17.39		651324		23.70	
	UPPER LIMIT	2146756		11.01		1802624		17.89		1302648		24.20	
	LOWER LIMIT	536689		10.01		450656		16.89		325662		23.20	
	CLIENT SAMPLE												
1	FB101503	1153660		10.50		1018703		17.38		764263		23.69	
2	GEI-10G	1220125		10.50		1065010		17.39		810770		23.69	
3	Matrix Spike Blank	1138697		10.51		1014016		17.39		700624		23.70	
4	S Blank	954592		10.50		866076		17.38		629870		23.69	
5	WE-10R	999509		10.50		900331		17.38		671429		23.69	
6	WE-10S	1109265		10.50		961067		17.38		730485		23.69	
7	WE-7R	1072617		10.50		966565		17.38		719183		23.69	
8	WE-7S	1288840		10.51		1038598		17.39		795330		23.71	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

SAMPLE DATA

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990005

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: X57989.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.9	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.3	U
59-50-7	Cresol, p-Chloro-m-	3.6	U
91-58-7	2-Chloronaphthalene	5.2	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.8	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FB101303

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

latrix: (soil/water) WATER Lab Sample ID: A3990005

ample wt/vol: 1045.0 (g/mL) ML Lab File ID: X57989.RR

evel: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

; Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

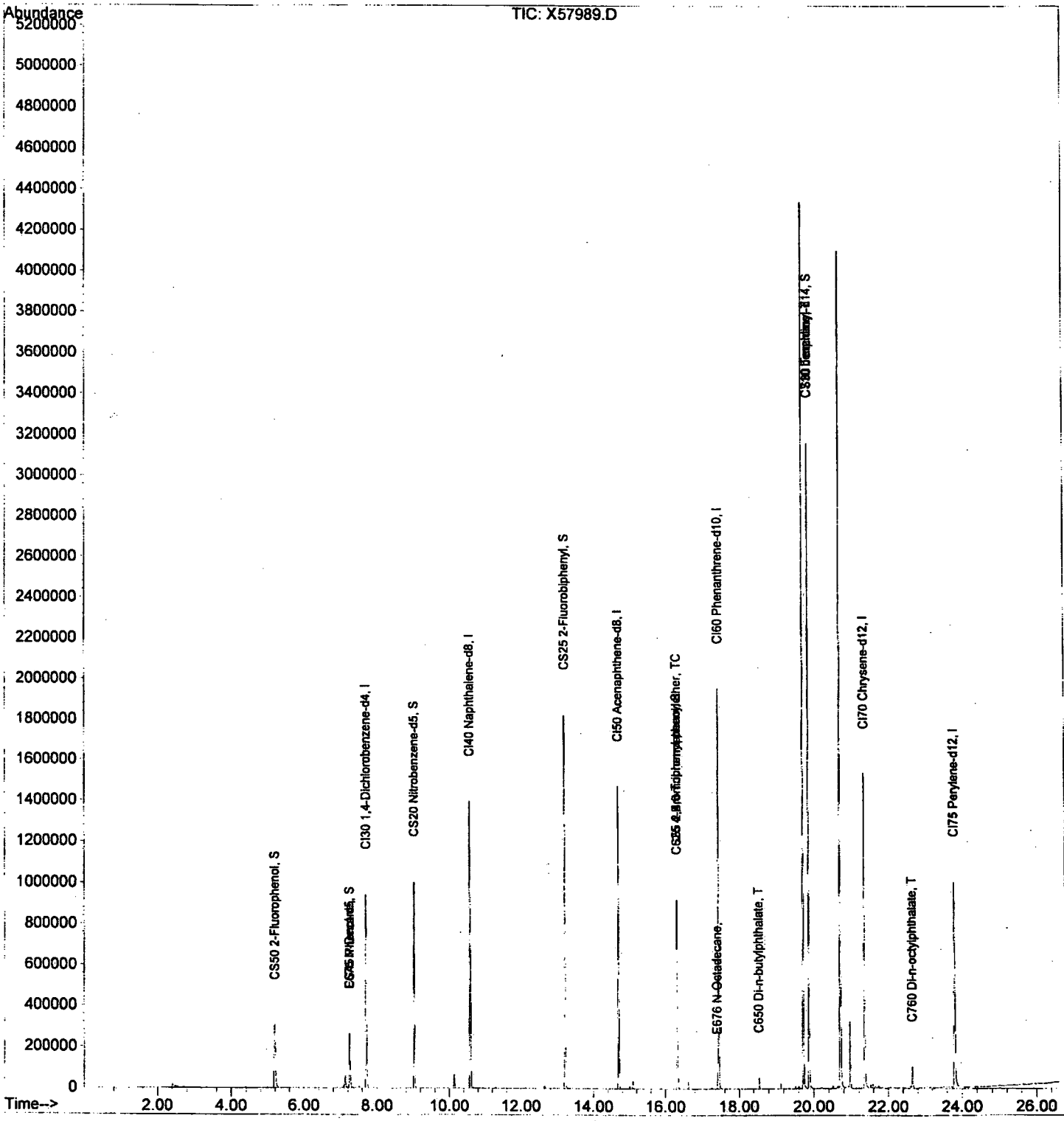
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.2	U
606-20-2	2,6-Dinitrotoluene	5.6	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.1	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.9	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.8	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57989.D Vial: 13
Acq On : 18 Oct 2003 14:34 Operator:
Sample : A3990005 AW30014133 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:34 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997804

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57995.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.
FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997804

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57995.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

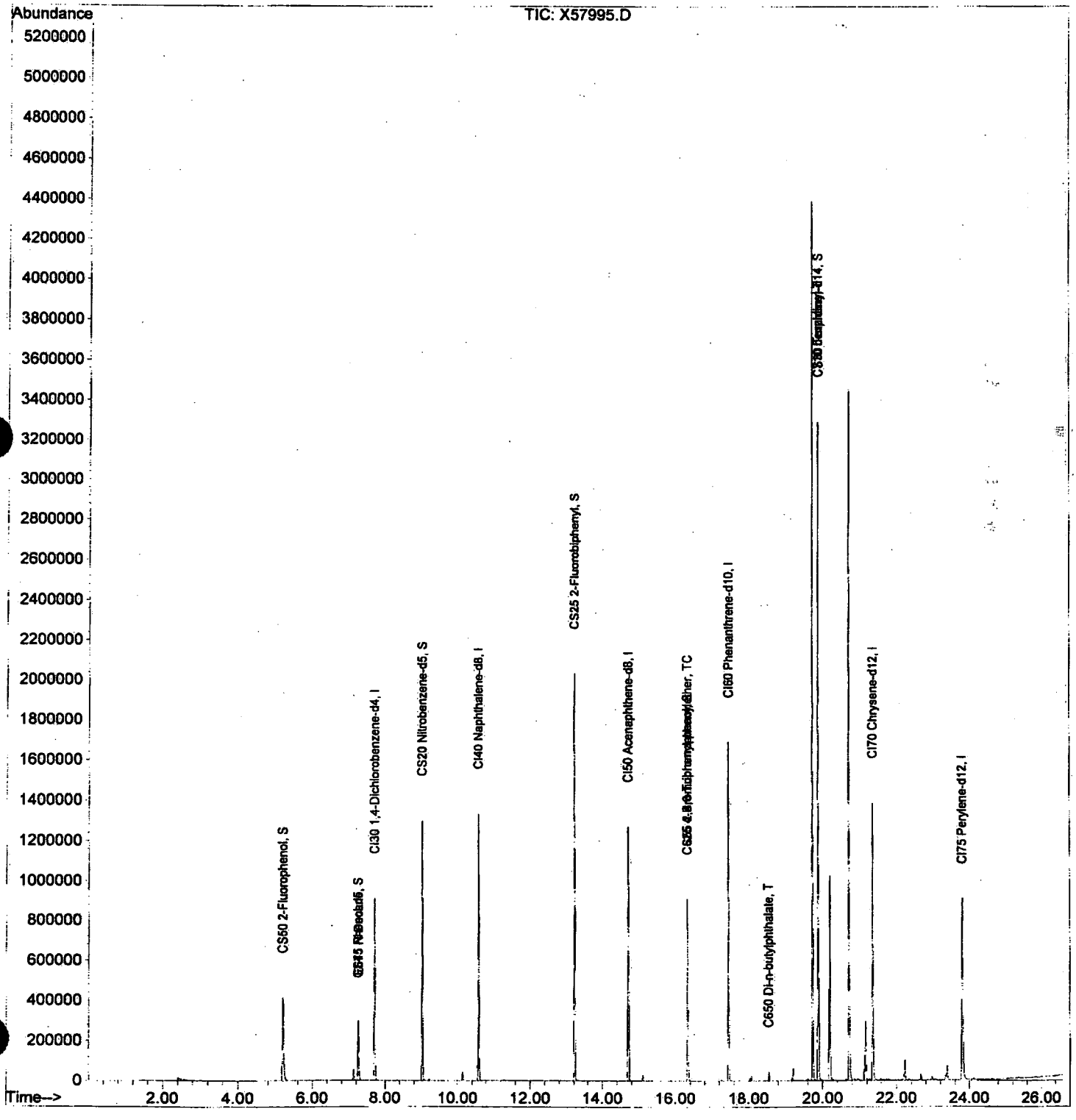
GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57995.D Vial: 19
Acq On : 18 Oct 2003 17:56 Operator:
Sample : A3997804 AW30014139 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:37 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.
FB101503

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

latrix: (soil/water) WATER Lab Sample ID: A3A00706

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58037.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

: Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FB101503

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00706

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58037.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

: Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

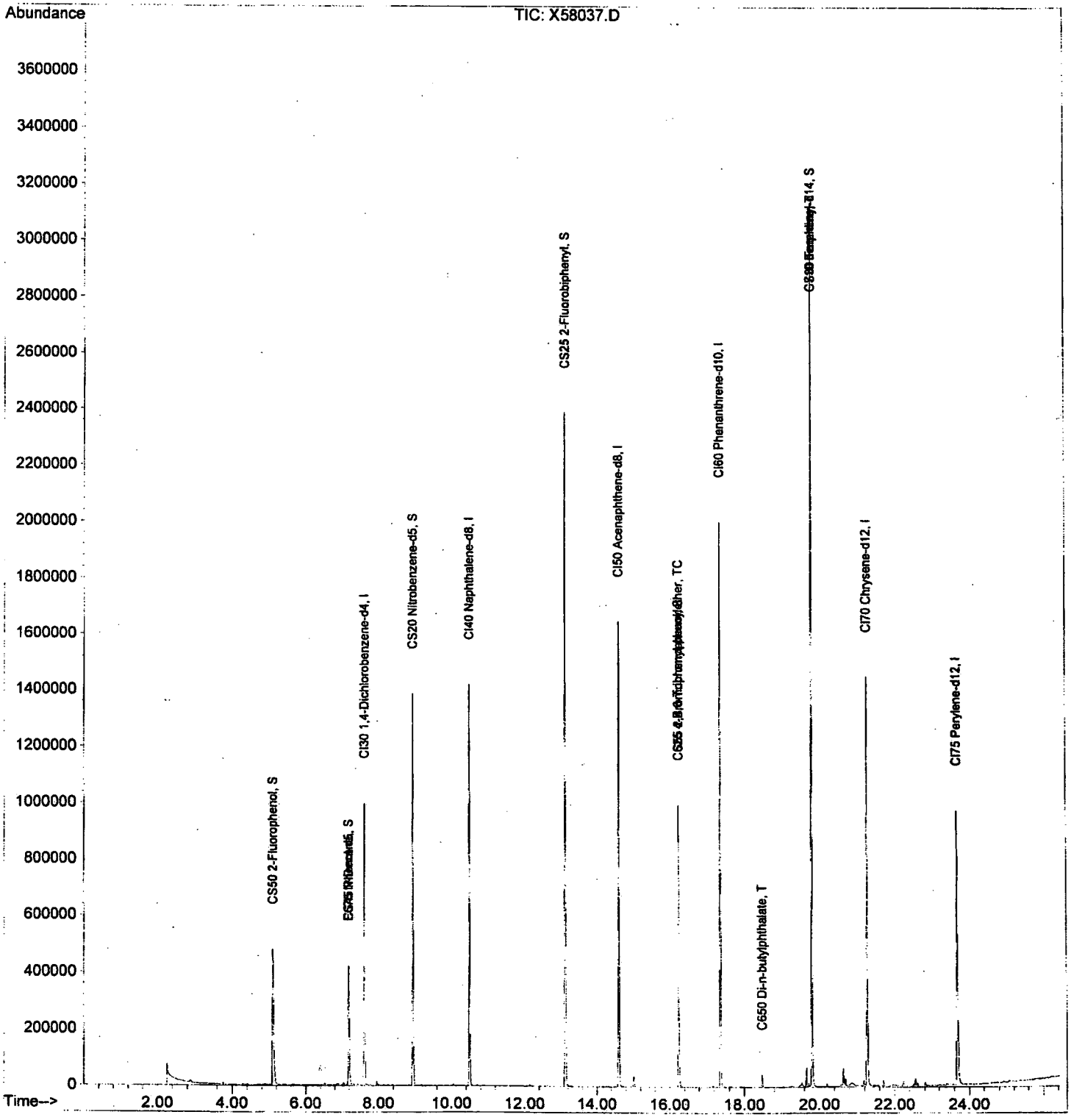
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\102103\X58037.D Vial: 30
Acq On : 22 Oct 2003 00:04 Operator:
Sample : A3A00706 AW30014202 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 22 6:36 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Tue Oct 21 10:16:04 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990001

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57985.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	5.3	
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990001

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57985.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

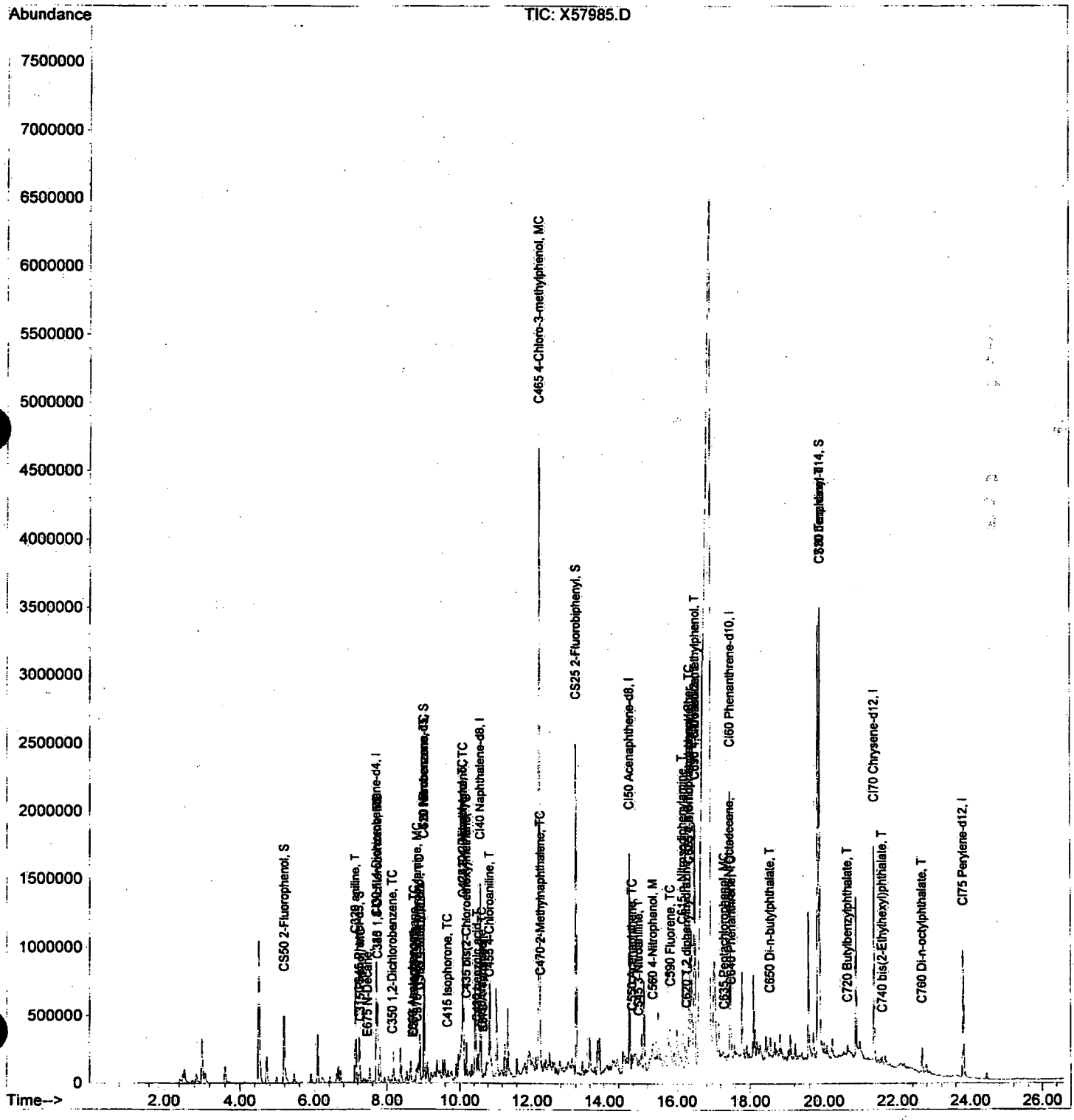
GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	7.6	
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57985.D Vial: 9
Acq On : 18 Oct 2003 12:19 Operator:
Sample : A3990001 AW30014129 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:32 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-5G

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3990002

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57986.RR

evel: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 2.00

PC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9.7	U
208-96-8	Acenaphthylene	9.7	U
120-12-7	Anthracene	13	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	13	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	18	U
191-24-2	Benzo(ghi)perylene	8.8	U
50-32-8	Benzo(a)pyrene	13	U
111-91-1	Bis(2-chloroethoxy) methane	7.2	U
111-44-4	Bis(2-chloroethyl) ether	6.4	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9.8	U
101-55-3	4-Bromophenyl phenyl ether	11	U
85-68-7	Butyl benzyl phthalate	8.5	U
59-50-7	Cresol, p-Chloro-m-	7.1	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	6.5	U
7005-72-3	4-Chlorophenyl phenyl ether	11	U
218-01-9	Chrysene	12	U
53-70-3	Dibenzo(a,h)anthracene	11	U
541-73-1	1,3-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	6.2	U
106-46-7	1,4-Dichlorobenzene	5.9	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	6.4	U
84-66-2	Diethyl phthalate	12	U
105-67-9	2,4-Dimethylphenol	4.9	U
131-11-3	Dimethyl phthalate	11	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	9.3	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990002

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57986.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

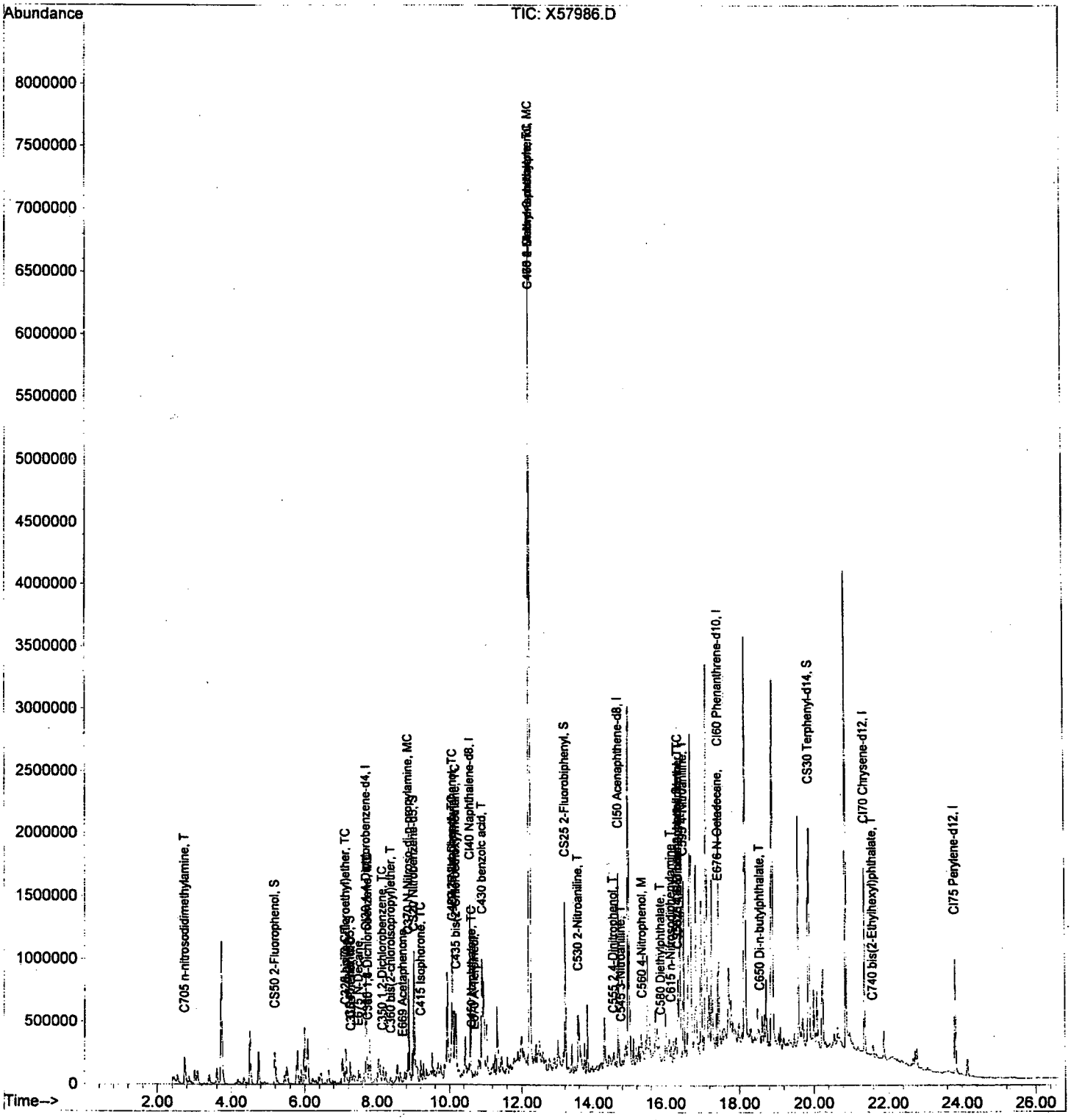
GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	12	U
606-20-2	2,6-Dinitrotoluene	11	U
84-74-2	Di-n-butyl phthalate	15	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	15	U
86-73-7	Fluorene	14	U
118-74-1	Hexachlorobenzene	13	U
87-68-3	Hexachlorobutadiene	5.4	U
77-47-4	Hexachlorocyclopentadiene	16	U
67-72-1	Hexachloroethane	4.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
78-59-1	Isophorone	7.0	U
91-20-3	Naphthalene	6.7	U
98-95-3	Nitrobenzene	5.6	U
88-75-5	2-Nitrophenol	5.5	U
100-02-7	4-Nitrophenol	14	U
62-75-9	N-Nitrosodimethylamine	2.3	U
621-64-7	N-Nitroso-Di-n-propylamine	7.1	U
86-30-6	N-nitrosodiphenylamine	12	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	14	U
108-95-2	Phenol	2.4	U
129-00-0	Pyrene	11	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
88-06-2	2,4,6-Trichlorophenol	10	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57986.D Vial: 10
Acq On : 18 Oct 2003 12:53 Operator:
Sample : A3990002 DF2 AW30014130 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:33 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997801

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57990.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9.7	U
208-96-8	Acenaphthylene	9.7	U
120-12-7	Anthracene	13	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	13	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	18	U
191-24-2	Benzo(ghi)perylene	8.8	U
50-32-8	Benzo(a)pyrene	13	U
111-91-1	Bis(2-chloroethoxy) methane	7.2	U
111-44-4	Bis(2-chloroethyl) ether	6.4	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9.8	U
101-55-3	4-Bromophenyl phenyl ether	11	U
85-68-7	Butyl benzyl phthalate	8.5	U
59-50-7	Cresol, p-Chloro-m-	7.1	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	6.5	U
7005-72-3	4-Chlorophenyl phenyl ether	11	U
218-01-9	Chrysene	12	U
53-70-3	Dibenzo(a,h)anthracene	11	U
541-73-1	1,3-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	6.2	U
106-46-7	1,4-Dichlorobenzene	5.9	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	6.4	U
84-66-2	Diethyl phthalate	12	U
105-67-9	2,4-Dimethylphenol	4.9	U
131-11-3	Dimethyl phthalate	11	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	9.3	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-6G

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3997801

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57990.RR

evel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 2.00

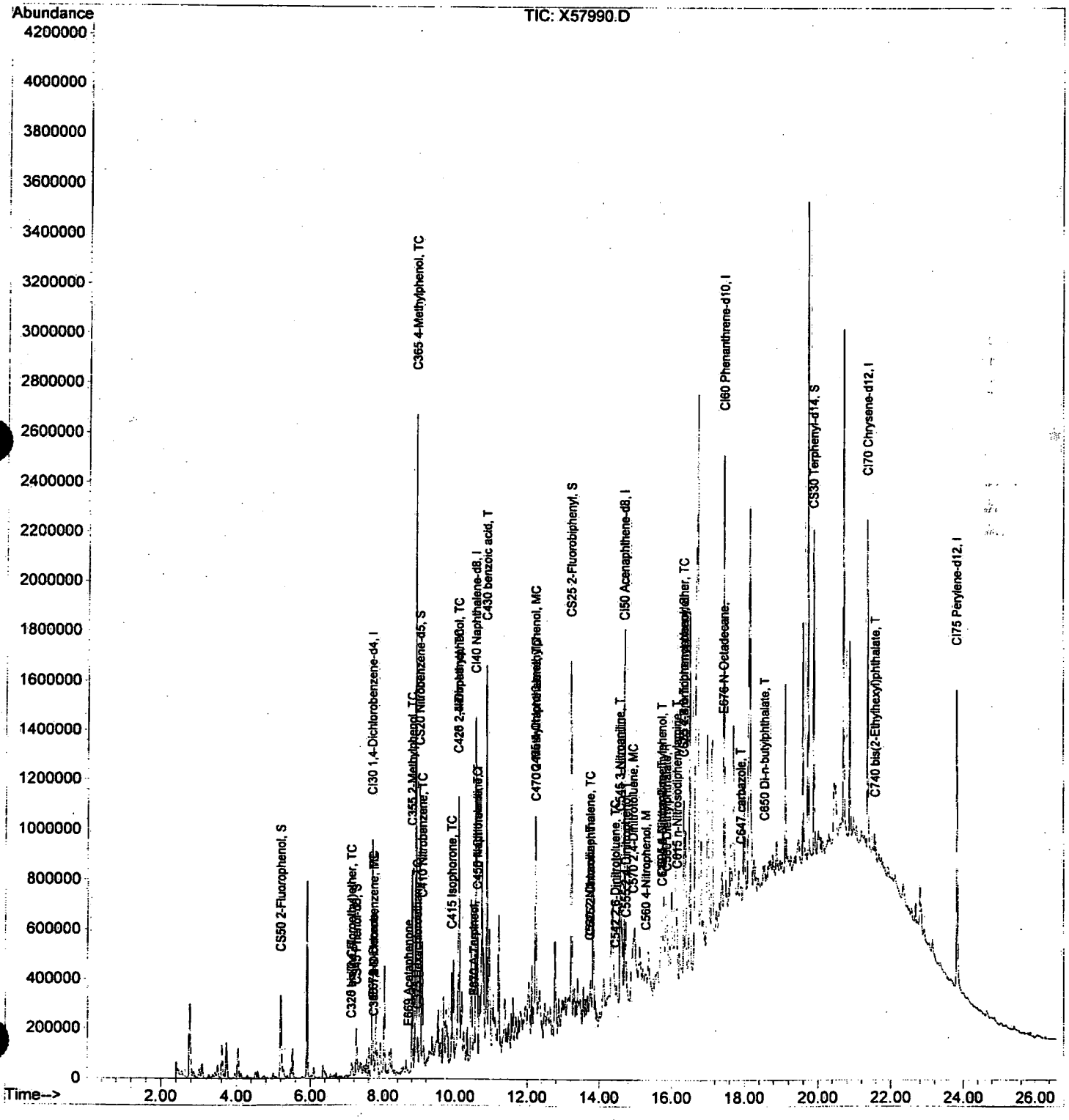
PC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	12	U
606-20-2	2,6-Dinitrotoluene	11	U
84-74-2	Di-n-butyl phthalate	15	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	15	U
86-73-7	Fluorene	14	U
118-74-1	Hexachlorobenzene	13	U
87-68-3	Hexachlorobutadiene	5.4	U
77-47-4	Hexachlorocyclopentadiene	16	U
67-72-1	Hexachloroethane	4.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
78-59-1	Isophorone	7.0	U
91-20-3	Naphthalene	12	
98-95-3	Nitrobenzene	5.6	U
88-75-5	2-Nitrophenol	5.5	U
100-02-7	4-Nitrophenol	14	U
62-75-9	N-Nitrosodimethylamine	2.3	U
621-64-7	N-Nitroso-Di-n-propylamine	7.1	U
86-30-6	N-nitrosodiphenylamine	12	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	14	U
108-95-2	Phenol	2.4	U
129-00-0	Pyrene	11	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U
88-06-2	2,4,6-Trichlorophenol	10	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57990.D Vial: 14
Acq On : 18 Oct 2003 15:08 Operator:
Sample : A3997801 DF2 AW30014134 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:35 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997802

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57991.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	24	U
208-96-8	Acenaphthylene	24	U
120-12-7	Anthracene	32	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	33	U
205-99-2	Benzo(b)fluoranthene	26	U
207-08-9	Benzo(k)fluoranthene	45	U
191-24-2	Benzo(ghi)perylene	22	U
50-32-8	Benzo(a)pyrene	32	U
111-91-1	Bis(2-chloroethoxy) methane	18	U
111-44-4	Bis(2-chloroethyl) ether	16	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	15	U
117-81-7	Bis(2-ethylhexyl) phthalate	24	U
101-55-3	4-Bromophenyl phenyl ether	28	U
85-68-7	Butyl benzyl phthalate	21	U
59-50-7	Cresol, p-Chloro-m-	18	U
91-58-7	2-Chloronaphthalene	26	U
95-57-8	2-Chlorophenol	16	U
7005-72-3	4-Chlorophenyl phenyl ether	28	U
218-01-9	Chrysene	31	U
53-70-3	Dibenzo(a,h)anthracene	29	U
541-73-1	1,3-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	15	U
91-94-1	3,3'-Dichlorobenzidine	33	U
120-83-2	2,4-Dichlorophenol	16	U
84-66-2	Diethyl phthalate	31	U
105-67-9	2,4-Dimethylphenol	12	U
131-11-3	Dimethyl phthalate	28	U
534-52-1	Cresol, 4,6-Dinitro-O-	44	U
122-66-7	1,2-Diphenylhydrazine	23	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-6S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3997802

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57991.RR

evel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 5.00

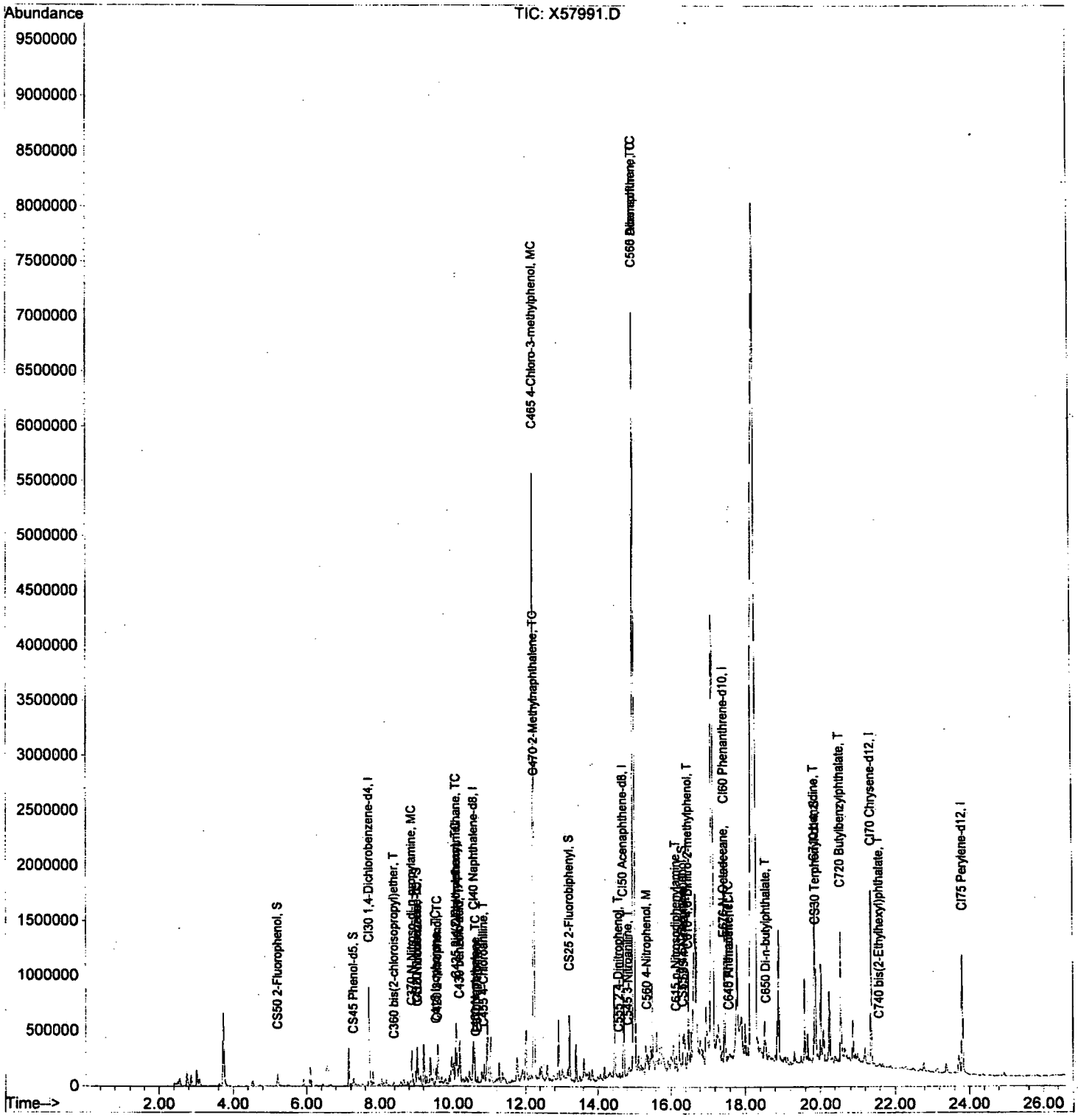
PC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	31	U
606-20-2	2,6-Dinitrotoluene	28	U
84-74-2	Di-n-butyl phthalate	38	U
117-84-0	Di-n-octyl phthalate	26	U
206-44-0	Fluoranthene	38	U
86-73-7	Fluorene	34	U
118-74-1	Hexachlorobenzene	33	U
87-68-3	Hexachlorobutadiene	14	U
77-47-4	Hexachlorocyclopentadiene	39	U
67-72-1	Hexachloroethane	12	U
193-39-5	Indeno(1,2,3-cd)pyrene	28	U
78-59-1	Isophorone	17	U
91-20-3	Naphthalene	17	U
98-95-3	Nitrobenzene	14	U
88-75-5	2-Nitrophenol	14	U
100-02-7	4-Nitrophenol	35	U
62-75-9	N-Nitrosodimethylamine	5.8	U
621-64-7	N-Nitroso-Di-n-propylamine	18	U
86-30-6	N-nitrosodiphenylamine	29	U
87-86-5	Pentachlorophenol	70	U
85-01-8	Phenanthrene	36	U
108-95-2	Phenol	6.1	U
129-00-0	Pyrene	29	U
120-82-1	1,2,4-Trichlorobenzene	14	U
88-06-2	2,4,6-Trichlorophenol	25	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57991.D Vial: 15
Acq On : 18 Oct 2003 15:41 Operator:
Sample : A3997802 DF5 AW30014135 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:35 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

GEI-10G

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00701

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58032.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	5.8	
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: GEI-10G

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00701

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58032.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

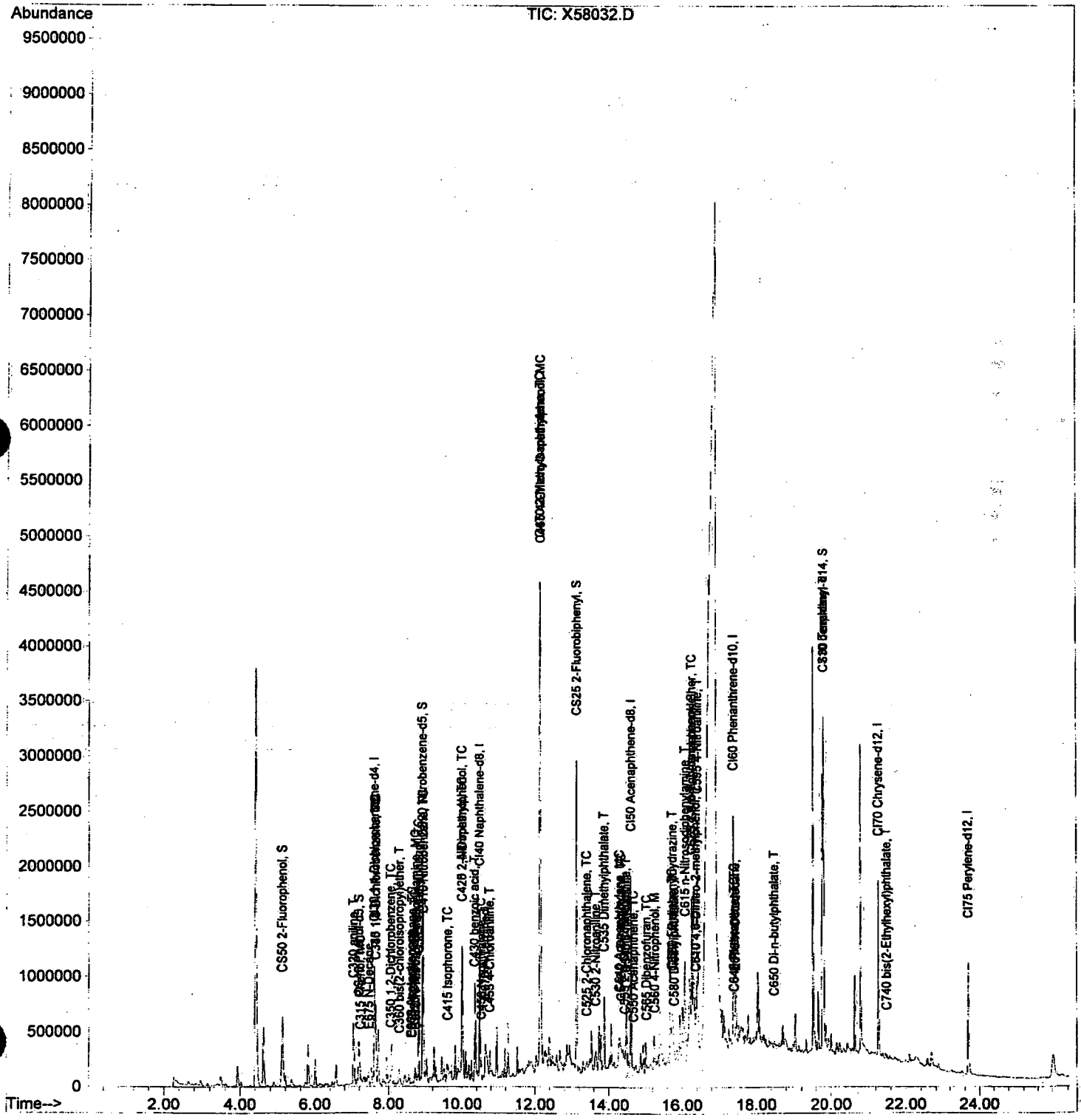
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	10	
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\102103\X58032.D Vial: 25
Acq On : 21 Oct 2003 21:16 Operator:
Sample : A3A00701 AW30014197 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 22 6:34 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Tue Oct 21 10:16:04 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57992.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	5.1	U
208-96-8	Acenaphthylene	5.1	U
120-12-7	Anthracene	6.6	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.6	U
207-08-9	Benzo(k)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	4.6	U
50-32-8	Benzo(a)pyrene	6.7	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.1	U
101-55-3	4-Bromophenyl phenyl ether	5.9	U
85-68-7	Butyl benzyl phthalate	4.4	U
59-50-7	Cresol, p-Chloro-m-	3.7	U
91-58-7	2-Chloronaphthalene	5.4	U
95-57-8	2-Chlorophenol	3.4	U
7005-72-3	4-Chlorophenyl phenyl ether	5.8	U
218-01-9	Chrysene	6.5	U
53-70-3	Dibenzo(a,h)anthracene	6.0	U
541-73-1	1,3-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	3.3	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.4	U
84-66-2	Diethyl phthalate	6.6	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	6.0	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.9	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: W-5R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3997803

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57992.RR

evel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

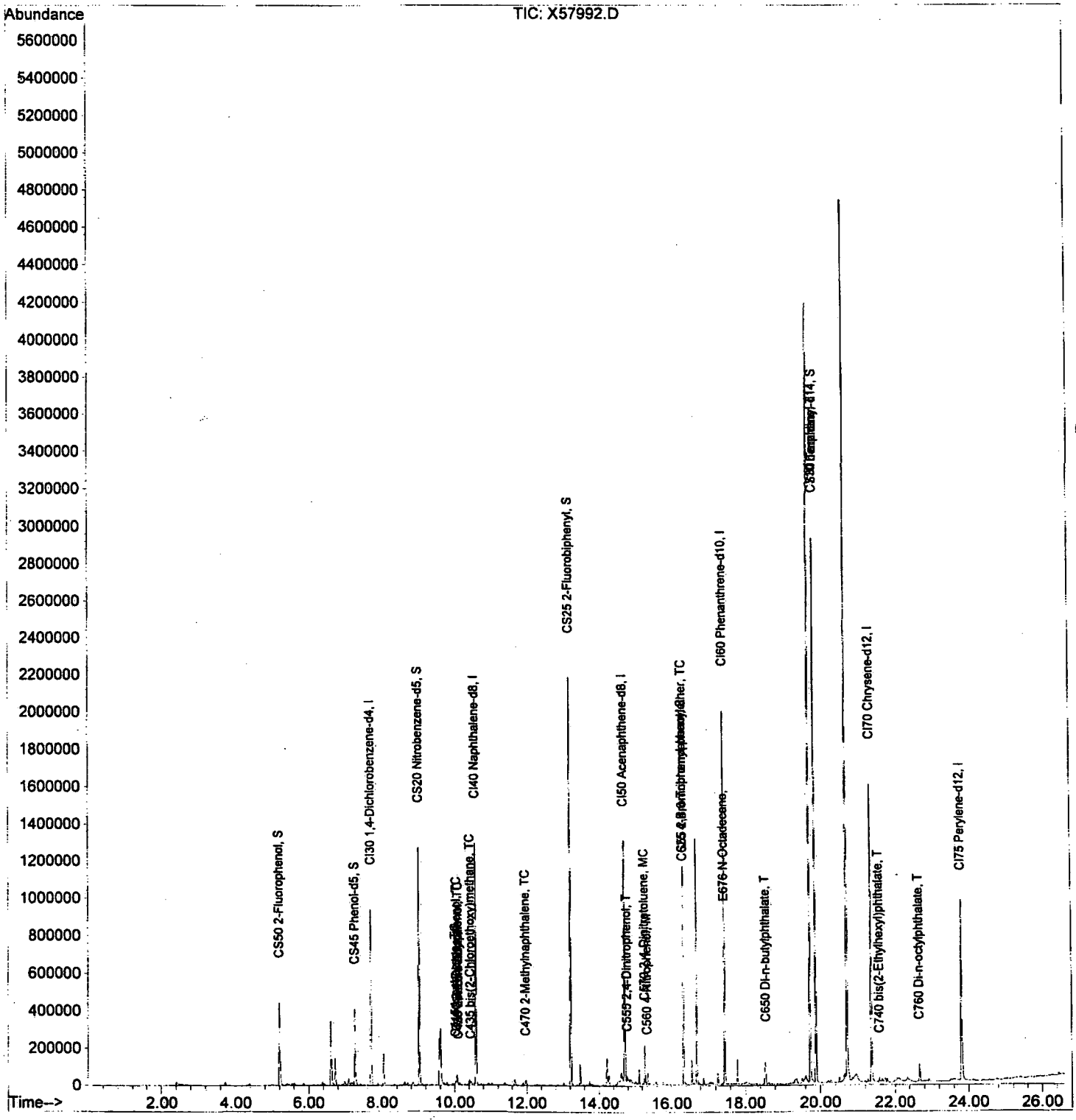
PC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.4	U
606-20-2	2,6-Dinitrotoluene	5.8	U
84-74-2	Di-n-butyl phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.5	U
206-44-0	Fluoranthene	7.9	U
86-73-7	Fluorene	7.2	U
118-74-1	Hexachlorobenzene	6.9	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.3	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.9	U
78-59-1	Isophorone	3.7	U
91-20-3	Naphthalene	3.5	U
98-95-3	Nitrobenzene	2.9	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.4	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.7	U
86-30-6	N-nitrosodiphenylamine	6.2	U
87-86-5	Pentachlorophenol	15	U
85-01-8	Phenanthrene	7.6	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	6.0	U
120-82-1	1,2,4-Trichlorobenzene	2.9	U
88-06-2	2,4,6-Trichlorophenol	5.3	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57992.D Vial: 16
Acq On : 18 Oct 2003 16:15 Operator:
Sample : A3997803 AW30014136 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:36 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-5S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3990003

ample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57987.RR

evel: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

: Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 10.00

PC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	48	U
208-96-8	Acenaphthylene	48	U
120-12-7	Anthracene	63	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	67	U
205-99-2	Benzo(b)fluoranthene	53	U
207-08-9	Benzo(k)fluoranthene	90	U
191-24-2	Benzo(ghi)perylene	44	U
50-32-8	Benzo(a)pyrene	63	U
111-91-1	Bis(2-chloroethoxy) methane	36	U
111-44-4	Bis(2-chloroethyl) ether	32	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	30	U
117-81-7	Bis(2-ethylhexyl) phthalate	49	U
101-55-3	4-Bromophenyl phenyl ether	56	U
85-68-7	Butyl benzyl phthalate	42	U
59-50-7	Cresol, p-Chloro-m-	35	U
91-58-7	2-Chloronaphthalene	51	U
95-57-8	2-Chlorophenol	32	U
7005-72-3	4-Chlorophenyl phenyl ether	55	U
218-01-9	Chrysene	62	U
53-70-3	Dibenzo(a,h)anthracene	57	U
541-73-1	1,3-Dichlorobenzene	28	U
95-50-1	1,2-Dichlorobenzene	31	U
106-46-7	1,4-Dichlorobenzene	29	U
91-94-1	3,3'-Dichlorobenzidine	66	U
120-83-2	2,4-Dichlorophenol	32	U
84-66-2	Diethyl phthalate	62	U
105-67-9	2,4-Dimethylphenol	24	U
131-11-3	Dimethyl phthalate	57	U
534-52-1	Cresol, 4,6-Dinitro-O-	87	U
122-66-7	1,2-Diphenylhydrazine	46	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-5S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3990003

ample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57987.RR

evel: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 10.00

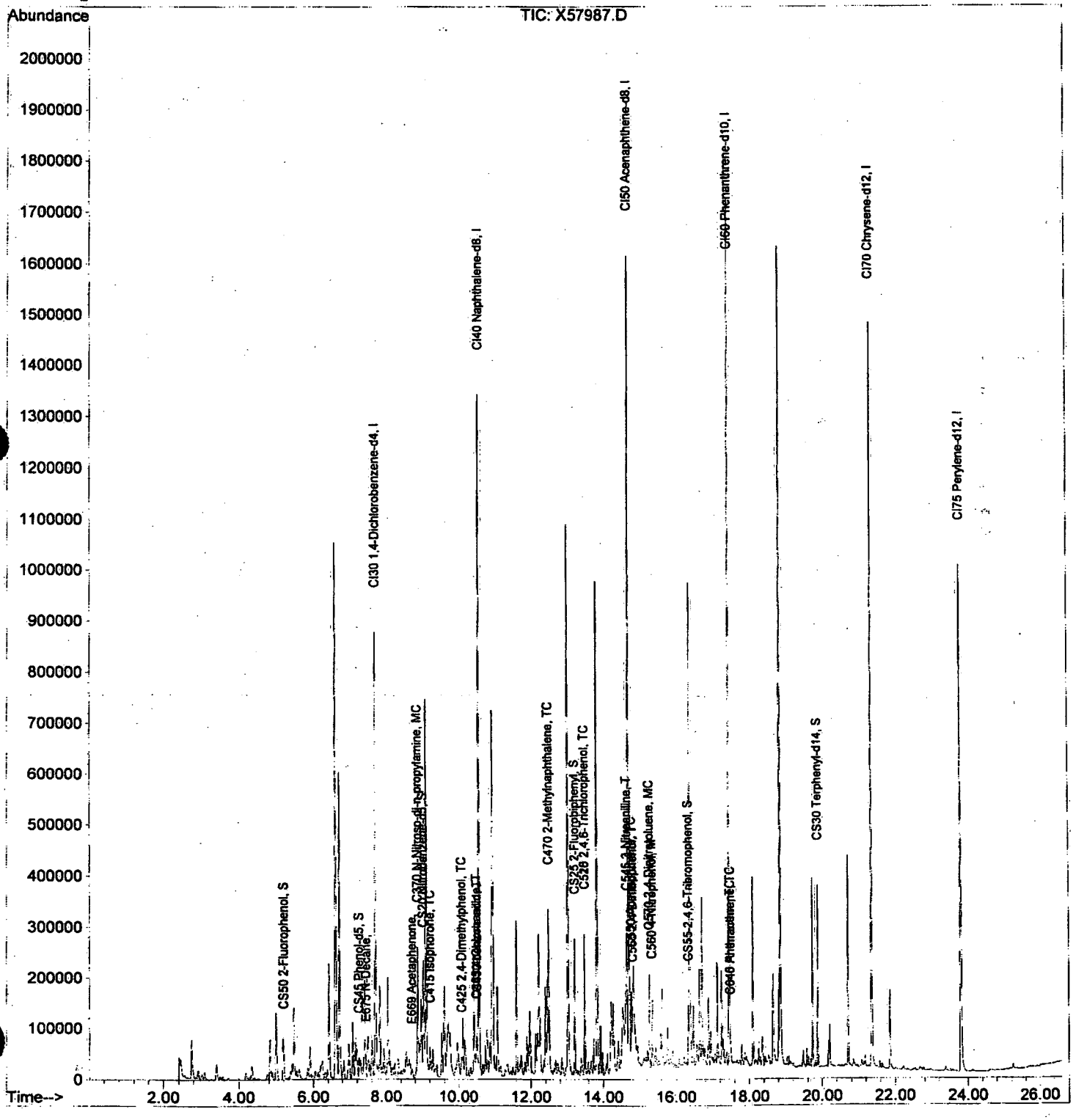
PC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	61	U
606-20-2	2,6-Dinitrotoluene	55	U
84-74-2	Di-n-butyl phthalate	76	U
117-84-0	Di-n-octyl phthalate	52	U
206-44-0	Fluoranthene	75	U
86-73-7	Fluorene	68	U
118-74-1	Hexachlorobenzene	66	U
87-68-3	Hexachlorobutadiene	27	U
77-47-4	Hexachlorocyclopentadiene	78	U
67-72-1	Hexachloroethane	23	U
193-39-5	Indeno(1,2,3-cd)pyrene	56	U
78-59-1	Isophorone	35	U
91-20-3	Naphthalene	33	U
98-95-3	Nitrobenzene	28	U
88-75-5	2-Nitrophenol	27	U
100-02-7	4-Nitrophenol	70	U
62-75-9	N-Nitrosodimethylamine	12	U
621-64-7	N-Nitroso-Di-n-propylamine	35	U
86-30-6	N-nitrosodiphenylamine	58	U
87-86-5	Pentachlorophenol	140	U
85-01-8	Phenanthrene	72	U
108-95-2	Phenol	12	U
129-00-0	Pyrene	57	U
120-82-1	1,2,4-Trichlorobenzene	28	U
88-06-2	2,4,6-Trichlorophenol	51	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57987.D Vial: 11
Acq On : 18 Oct 2003 13:27 Operator:
Sample : A3990003 DF10 AW30014131 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:33 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990004

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57988.RR

Level: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.8	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.0	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.3	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.2	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-6R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3990004

ample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57988.RR

evel: (low/med) LOW Date Samp/Recv: 10/13/2003 10/14/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

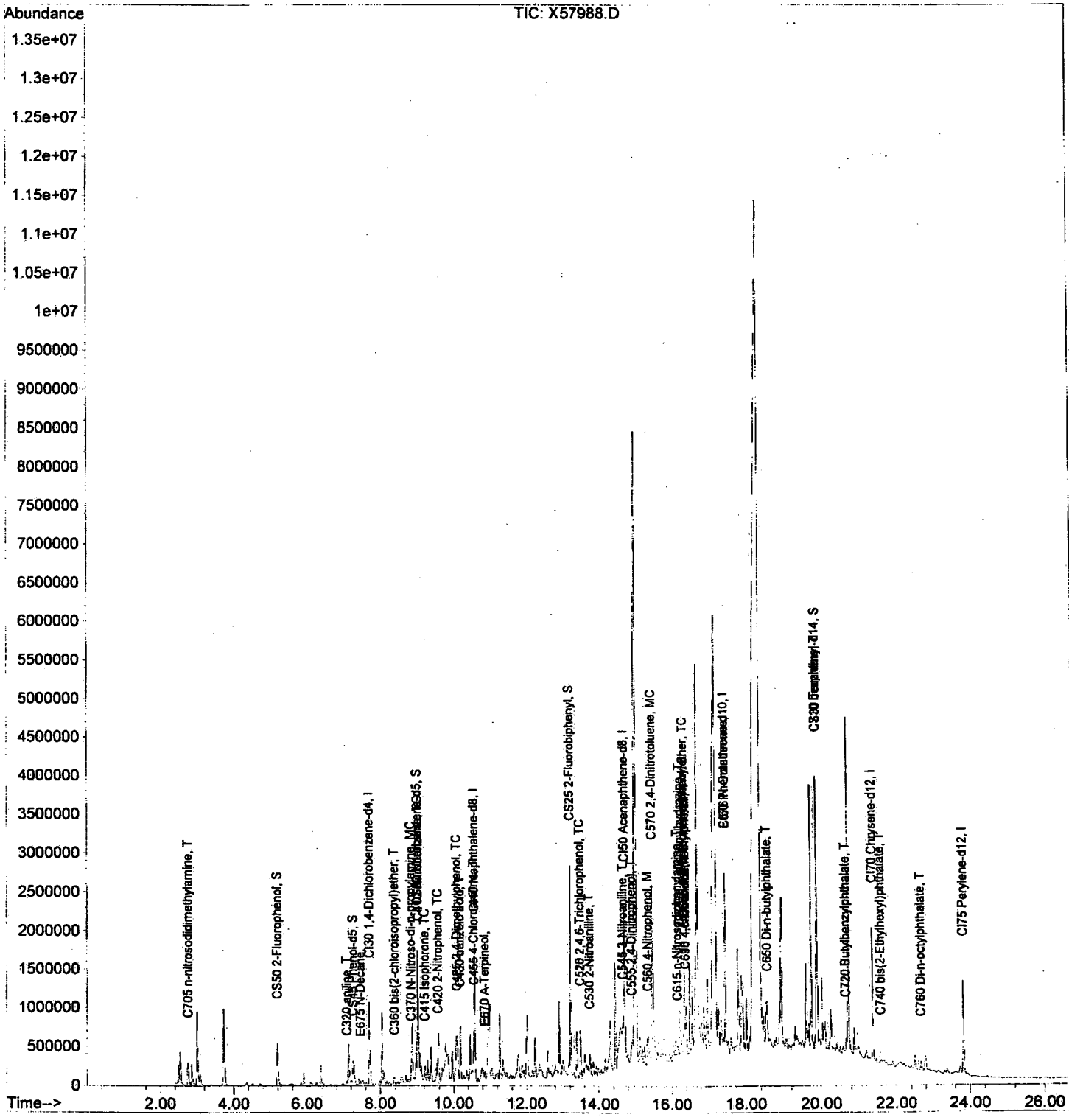
PC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.5	U
86-73-7	Fluorene	6.8	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.8	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.3	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57988.D Vial: 12
Acq On : 18 Oct 2003 14:00 Operator:
Sample : A3990004 AW30014132 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:34 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-7R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00704

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58035.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-7R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00704

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58035.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

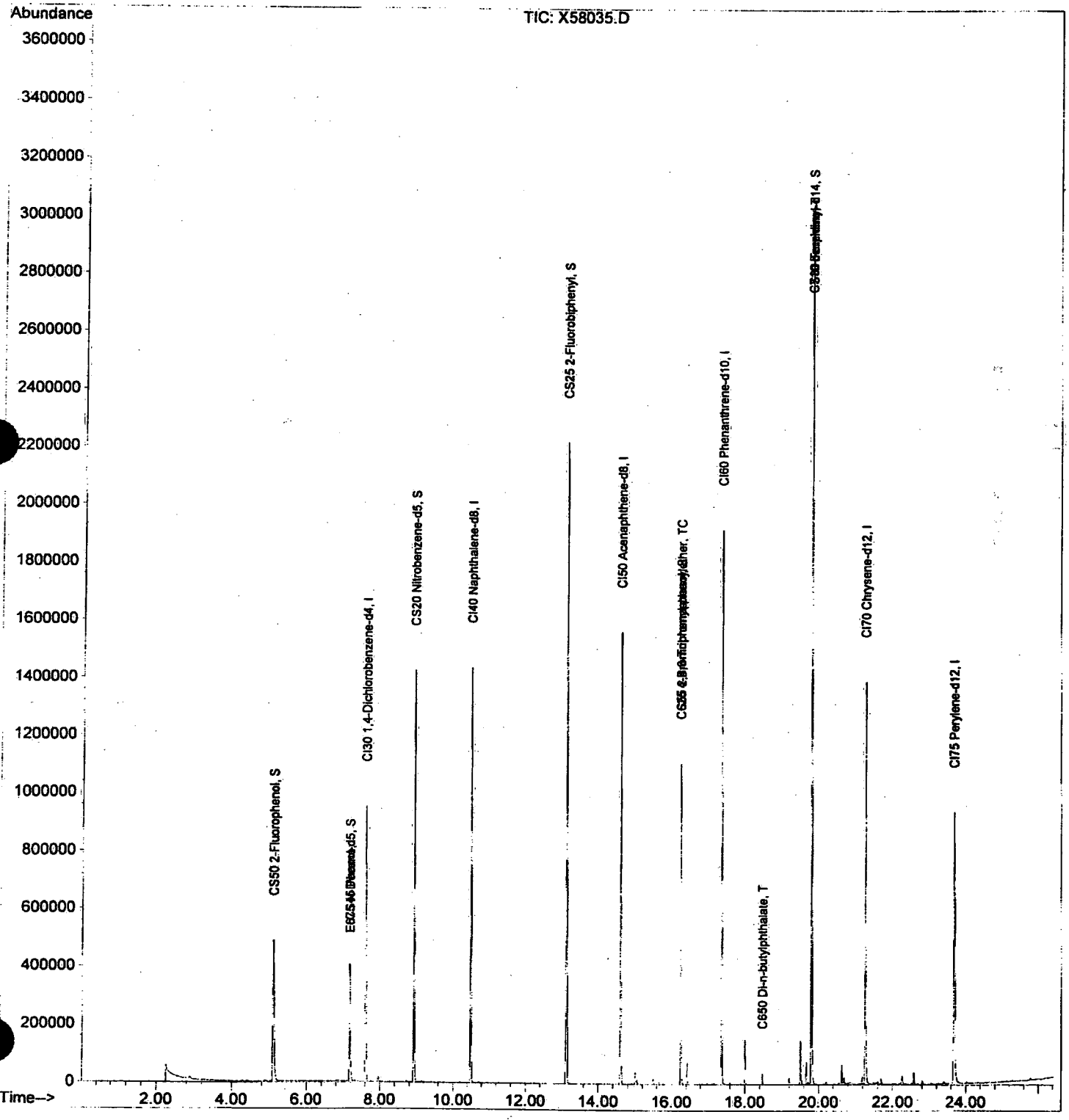
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\102103\X58035.D
Acq On : 21 Oct 2003 22:57
Sample : A3A00704 AW30014200
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 22 6:35 2003

Vial: 28
Operator:
Inst : I50X-A
Multiplr: 1.00

Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Tue Oct 21 10:16:04 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-7S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00705

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58036.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

: Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	3.8	
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-7S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00705

mple wt/vol: 1050.0 (g/mL) ML Lab File ID: X58036.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

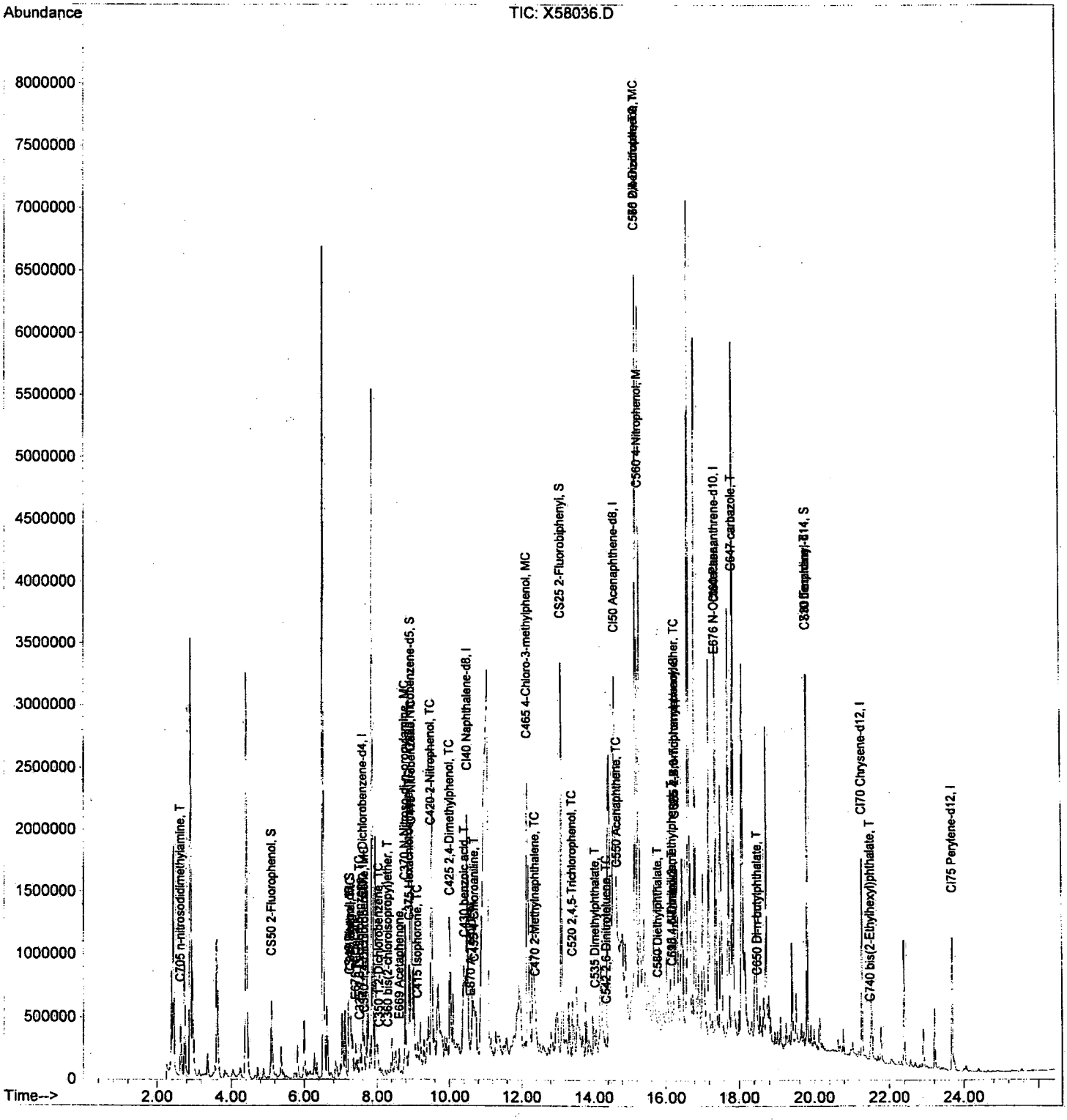
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\102103\X58036.D Vial: 29
Acq On : 21 Oct 2003 23:30 Operator:
Sample : A3A00705 AW30014201 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 22 6:35 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Tue Oct 21 10:16:04 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-10R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00702

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58033.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-10R

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00702

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: X58033.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

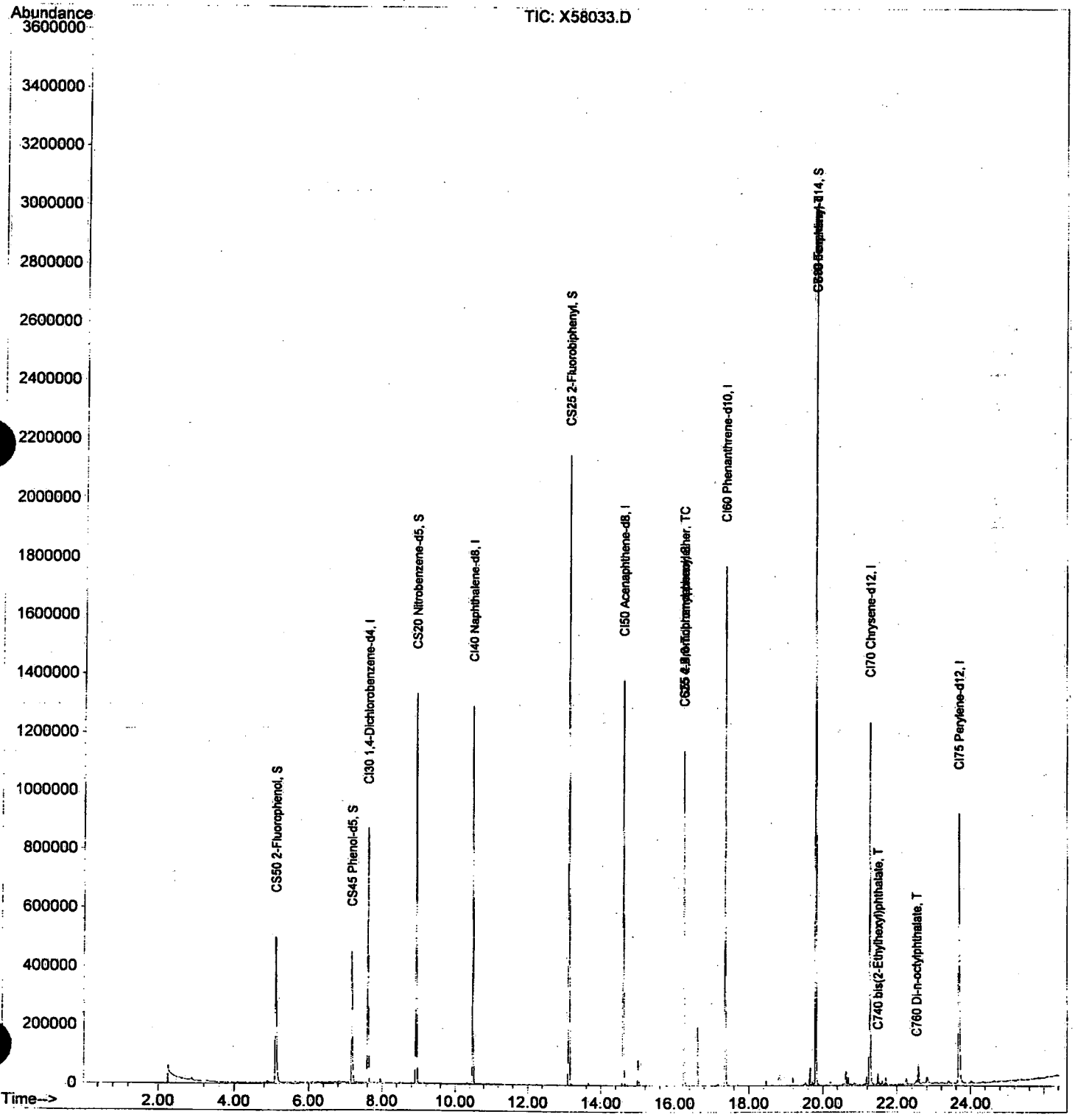
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\102103\X58033.D Vial: 26
Acq On : 21 Oct 2003 21:50 Operator:
Sample : A3A00702 AW30014198 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 22 6:34 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Tue Oct 21 10:16:04 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: WE-10S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3A00703

mple wt/vol: 1050.0 (g/mL) ML Lab File ID: X58034.RR

evel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

WE-10S

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

trix: (soil/water) WATER Lab Sample ID: A3A00703

mple wt/vol: 1050.0 (g/mL) ML Lab File ID: X58034.RR

vel: (low/med) LOW Date Samp/Recv: 10/15/2003 10/16/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

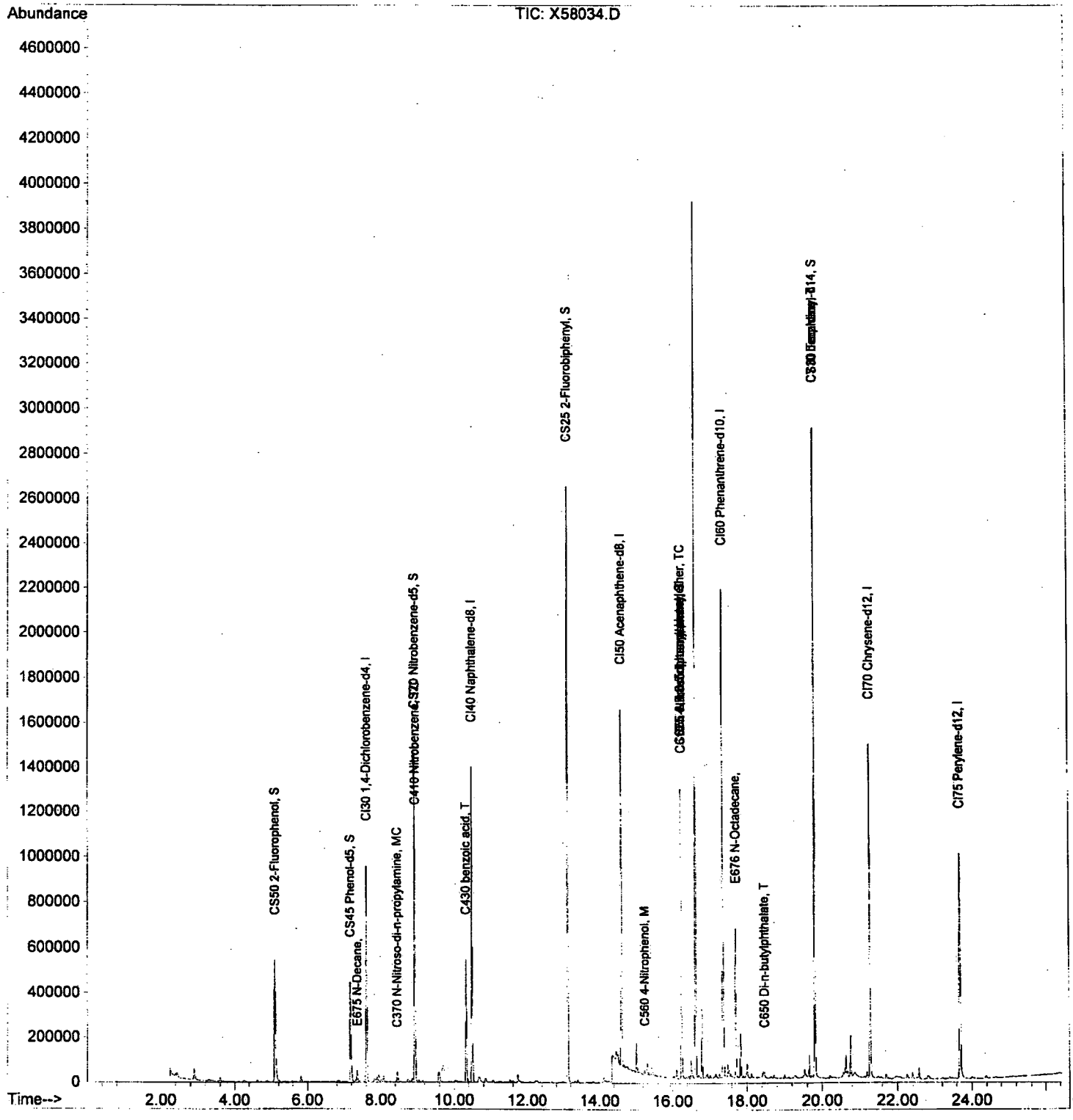
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\102103\X58034.D Vial: 27
Acq On : 21 Oct 2003 22:23 Operator:
Sample : A3A00703 AW30014199 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 22 6:34 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Tue Oct 21 10:16:04 2003
Response via : Initial Calibration



STANDARDS

KIN-BUC LANDFILL
SEMIVOLATILE 3RD EDITION
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001355-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003G2

Intrument ID: I50X-A Calibration Dates(s): 10/18/2003 10/18/2003

Calibration Times: 08:24 09:31

Lab File ID: RRF20 = X57978.RR RRF80 = X57979.RR
RRF160 = X57980.RR RRF0 RRF0

COMPOUND		RRF20	RRF80	RRF160	RRF0	RRF0	AVG RRF	% RSD
Phenol	*	1.717	1.864	1.743			1.7740	4.400*
Bis(2-chloroethyl) ether	*	1.539	1.572	1.493			1.5350	2.600*
2-Chlorophenol	*	1.340	1.424	1.406			1.3900	3.200*
1,3-Dichlorobenzene	*	1.456	1.496	1.429			1.4600	2.300*
1,4-Dichlorobenzene	*	1.521	1.512	1.415			1.4830	4.000*
1,2-Dichlorobenzene	*	1.404	1.397	1.254			1.3520	6.300*
2,2'-Oxybis(1-Chloropropane	*	1.944	2.045	1.956			1.9820	2.800*
N-Nitroso-Di-n-propylamine	*	0.937	0.984	0.973			0.9650	2.600*
Hexachloroethane	*	0.576	0.592	0.583			0.5840	1.300*
Nitrobenzene	*	0.365	0.374	0.360			0.3660	1.900*
Isophorone	*	0.690	0.737	0.734			0.7200	3.600*
2-Nitrophenol	*	0.161	0.190	0.197			0.1820	10.50
2,4-Dimethylphenol	*	0.281	0.323	0.315			0.3060	7.300
Bis(2-chloroethoxy) methane	*	0.447	0.465	0.435			0.4490	3.300*
2,4-Dichlorophenol	*	0.238	0.271	0.260			0.2560	6.400*
1,2,4-Trichlorobenzene	*	0.305	0.303	0.283			0.2970	4.000*
Naphthalene	*	1.055	0.995	0.906			0.9850	7.600*
Hexachlorobutadiene	*	0.156	0.152	0.141			0.1490	5.300*
Cresol, p-Chloro-m-	*	0.261	0.308	0.298			0.2890	8.500*
Hexachlorocyclopentadiene	*	0.102	0.180	0.195			0.1590	31.600*
2,4,6-Trichlorophenol	*	0.282	0.324	0.308			0.3050	7.000*
2-Chloronaphthalene	*	1.048	1.038	0.964			1.0170	4.500*
Dimethyl phthalate	*	1.253	1.196	1.106			1.1850	6.200*
Acenaphthylene	*	1.593	1.570	1.389			1.5170	7.400*
2,6-Dinitrotoluene	*	0.228	0.292	0.303			0.2740	14.700*
Acenaphthene	*	0.993	0.929	0.795			0.9060	11.200*
2,4-Dinitrophenol	*	0.023	0.084	0.143			0.0830	72.600*
4-Nitrophenol	*	0.055	0.124	0.142			0.1070	43.000*
2,4-Dinitrotoluene	*	0.301	0.394	0.391			0.3620	14.700*
Diethyl phthalate	*	1.349	1.271	1.026			1.2160	13.800*
4-Chlorophenyl phenyl ether	*	0.603	0.593	0.465			0.5540	13.800*
Fluorene	*	1.202	1.163	0.993			1.1190	10.000*
Cresol, 4,6-Dinitro-O-	*	0.050	0.135	0.183			0.1230	55.100*
N-nitrosodiphenylamine	*	0.567	0.606	0.585			0.5860	3.300*
4-Bromophenyl phenyl ether	*	0.206	0.216	0.222			0.2150	3.800*
Hexachlorobenzene	*	0.239	0.236	0.234			0.2360	1.200*
Pentachlorophenol	*	0.017	0.098	0.136			0.0840	72.400

KIN-BUC LANDFILL
SEMIVOLATILE 3RD EDITION
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001355-1

Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003G2

Instrument ID: I50X-A Calibration Dates(s): 10/18/2003 10/18/2003

Calibration Times: 08:24 09:31

Lab File ID:
RRF20 = X57978.RR RRF80 = X57979.RR
RRF160 = X57980.RR RRF0 RRF0

COMPOUND		RRF20	RRF80	RRF160	RRF0	RRF0	AVG RRF	% RSD
Phenanthrene	*	1.142	1.130	1.076			1.1160	3.100*
Anthracene	*	1.163	1.140	1.134			1.1460	1.300*
Di-n-butyl phthalate	*	1.418	1.488	1.428			1.4450	2.600*
Fluoranthene	*	1.082	1.090	1.015			1.0620	3.900*
Pyrene	*	1.065	1.074	1.043			1.0610	1.500*
Butyl benzyl phthalate	*	0.646	0.693	0.707			0.6820	4.700*
3,3'-Dichlorobenzidine	*	0.303	0.341	0.319			0.3210	5.900*
Benzo(a)anthracene	*	0.965	0.980	0.958			0.9680	1.100*
Chrysene	*	1.141	1.144	1.082			1.1220	3.100*
Bis(2-ethylhexyl) phthalate	*	0.859	0.939	0.958			0.9190	5.700*
Di-n-octyl phthalate	*	1.673	1.878	1.777			1.7760	5.800*
Benzo(b)fluoranthene	*	1.132	1.101	1.131			1.1210	1.600*
[illegible]zo(k)fluoranthene	*	1.174	1.252	1.012			1.1460	10.700*
Benzo(a)pyrene	*	1.027	1.114	1.038			1.0590	4.500*
Indeno(1,2,3-cd)pyrene	*	1.101	1.152	1.166			1.1400	3.000*
Dibenzo(a,h)anthracene	*	1.020	1.043	1.003			1.0220	2.000*
Benzo(ghi)perylene	*	1.101	1.152	1.166			1.1400	3.000*
1,2-Diphenylhydrazine	*	1.570	1.540	1.391			1.5000	6.400*
Benzidine	*	0.412	0.409	0.433			0.4180	3.100*
N-Nitrosodimethylamine	*	0.748	0.847	0.808			0.8010	6.200*
Nitrobenzene-D5	*	0.343	0.364	0.360			0.3560	3.100*
2-Fluorobiphenyl	*	1.134	1.075	0.980			1.0630	7.300*
p-Terphenyl-d14	*	0.731	0.720	0.676			0.7090	4.200*
Phenol-D5	*	1.475	1.620	1.564			1.5530	4.700*
2-Fluorophenol	*	1.065	1.261	1.265			1.1970	9.600*
2,4,6-Tribromophenol	*	0.090	0.110	0.120			0.1060	14.400*

Comments:

KIN-BUC LANDFILL
SEMIVOLATILE 3RD EDITION
INITIAL CALIBRATION DATA

ab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001358-1

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003G2

ntrument ID: I50X-A Calibration Dates(s): 10/21/2003 10/21/2003

Calibration Times: 08:21 09:28

Lab File ID: RRF20 = X58009.RR RRF80 = X58010.RR
RRF160 = X58011.RR RRF0 RRF0

COMPOUND		RRF20	RRF80	RRF160	RRF0	RRF0	AVG RRF	% RSD
Phenol	*	1.772	1.878	1.754			1.8020	3.700*
Bis(2-chloroethyl) ether	*	1.615	1.653	1.541			1.6030	3.600*
2-Chlorophenol	*	1.384	1.488	1.456			1.4430	3.700*
1,3-Dichlorobenzene	*	1.504	1.518	1.450			1.4910	2.400*
1,4-Dichlorobenzene	*	1.563	1.536	1.431			1.5100	4.600*
1,2-Dichlorobenzene	*	1.445	1.437	1.262			1.3810	7.500*
2,2'-Oxybis(1-Chloropropane	*	2.041	2.129	2.059			2.0760	2.200*
N-Nitroso-Di-n-propylamine	*	1.008	1.053	1.037			1.0330	2.200*
Hexachloroethane	*	0.601	0.621	0.609			0.6100	1.600*
Nitrobenzene	*	0.352	0.378	0.360			0.3630	3.600*
Isophorone	*	0.674	0.748	0.714			0.7120	5.100*
2-Nitrophenol	*	0.153	0.190	0.192			0.1780	12.200
2,4-Dimethylphenol	*	0.281	0.322	0.308			0.3030	6.800
Bis(2-chloroethoxy) methane	*	0.435	0.455	0.440			0.4430	2.400*
2,4-Dichlorophenol	*	0.225	0.265	0.254			0.2480	8.300*
1,2,4-Trichlorobenzene	*	0.290	0.294	0.276			0.2870	3.300*
Naphthalene	*	0.973	0.980	0.896			0.9490	4.900*
Hexachlorobutadiene	*	0.155	0.151	0.136			0.1470	6.800*
Cresol, p-Chloro-m-	*	0.273	0.309	0.273			0.2850	7.300*
Hexachlorocyclopentadiene	*	0.048	0.123	0.153			0.1080	50.400*
2,4,6-Trichlorophenol	*	0.280	0.329	0.310			0.3060	8.100*
2-Chloronaphthalene	*	1.027	1.063	1.004			1.0320	2.900*
Dimethyl phthalate	*	1.262	1.208	1.172			1.2140	3.700*
Acenaphthylene	*	1.631	1.612	1.410			1.5510	7.900*
2,6-Dinitrotoluene	*	0.238	0.298	0.310			0.2820	13.600*
Acenaphthene	*	0.989	0.946	0.803			0.9130	10.600*
2,4-Dinitrophenol	*	0.005	0.070	0.138			0.0710	94.000*
4-Nitrophenol	*	0.052	0.122	0.143			0.1060	44.800*
2,4-Dinitrotoluene	*	0.317	0.401	0.424			0.3800	14.800*
Diethyl phthalate	*	1.316	1.226	1.174			1.2390	5.800*
4-Chlorophenyl phenyl ether	*	0.599	0.571	0.476			0.5490	11.700*
Fluorene	*	1.162	1.155	1.035			1.1170	6.400*
Cresol, 4,6-Dinitro-O-	*	0.045	0.136	0.178			0.1200	56.800*
N-nitrosodiphenylamine	*	0.578	0.602	0.574			0.5850	2.600*
4-Bromophenyl phenyl ether	*	0.201	0.212	0.209			0.2070	2.600*
Hexachlorobenzene	*	0.246	0.233	0.209			0.2290	8.200*
Pentachlorophenol	*	0.037	0.072	0.112			0.0730	51.300

KIN-BUC LANDFILL
SEMIVOLATILE 3RD EDITION
INITIAL CALIBRATION DATA

ab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001358-1

[redacted]Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003G2

ntrument ID: I50X-A Calibration Dates(s): 10/21/2003 10/21/2003

Calibration Times: 08:21 09:28

Lab File ID: RRF20 = X58009.RR RRF80 = X58010.RR
RRF160 = X58011.RR RRF0 RRF0

COMPOUND	RRF20	RRF80	RRF160	RRF0	RRF0	AVG RRF	% RSD
Phenanthrene	* 1.125	1.104	1.064			1.0980	2.800*
Anthracene	* 1.169	1.148	1.061			1.1260	5.100*
Di-n-butyl phthalate	* 1.458	1.495	1.376			1.4430	4.200*
Fluoranthene	* 1.118	1.071	1.009			1.0660	5.200*
Pyrene	* 1.229	1.182	1.172			1.1940	2.600*
Butyl benzyl phthalate	* 0.689	0.750	0.741			0.7270	4.500*
3,3'-Dichlorobenzidine	* 0.322	0.336	0.322			0.3270	2.500*
Benzo(a)anthracene	* 1.009	1.003	0.938			0.9830	4.000*
Chrysene	* 1.138	1.093	1.114			1.1150	2.000*
Bis(2-ethylhexyl) phthalate	* 0.919	1.014	1.036			0.9890	6.300*
Di-n-octyl phthalate	* 1.882	2.020	1.789			1.8970	6.100*
Benzo(b)fluoranthene	* 1.053	1.120	1.165			1.1130	5.000*
[redacted]zo(k)fluoranthene	* 1.248	1.195	0.934			1.1250	14.900*
[redacted]zo(a)pyrene	* 1.036	1.116	1.039			1.0640	4.300*
Indeno(1,2,3-cd)pyrene	* 1.123	1.156	1.110			1.1300	2.100*
Dibenzo(a,h)anthracene	* 1.038	1.052	0.993			1.0280	3.000*
Benzo(ghi)perylene	* 1.123	1.156	1.110			1.1300	2.100*
1,2-Diphenylhydrazine	* 1.538	1.549	1.486			1.5240	2.200*
Benzidine	* 0.474	0.426	0.430			0.4430	6.000*
N-Nitrosodimethylamine	* 0.772	0.815	0.801			0.7960	2.700*
Nitrobenzene-D5	* 0.329	0.367	0.360			0.3520	5.800*
2-Fluorobiphenyl	* 1.078	1.091	1.035			1.0680	2.700*
p-Terphenyl-d14	* 0.814	0.787	0.713			0.7710	6.700*
Phenol-D5	* 1.535	1.670	1.625			1.6100	4.300*
2-Fluorophenol	* 1.045	1.251	1.283			1.1930	10.800*
2,4,6-Tribromophenol	* 0.088	0.107	0.110			0.1010	11.700*

Comments:

RAW QC DATA

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3B1182602

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57984.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	5.1	U
208-96-8	Acenaphthylene	5.1	U
120-12-7	Anthracene	6.6	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.6	U
207-08-9	Benzo(k)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	4.6	U
50-32-8	Benzo(a)pyrene	6.7	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.1	U
101-55-3	4-Bromophenyl phenyl ether	5.9	U
85-68-7	Butyl benzyl phthalate	4.4	U
59-50-7	Cresol, p-Chloro-m-	3.7	U
91-58-7	2-Chloronaphthalene	5.4	U
95-57-8	2-Chlorophenol	3.4	U
7005-72-3	4-Chlorophenyl phenyl ether	5.8	U
218-01-9	Chrysene	6.5	U
53-70-3	Dibenzo(a,h)anthracene	6.0	U
541-73-1	1,3-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	3.3	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.4	U
84-66-2	Diethyl phthalate	6.6	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	6.0	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.9	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3B1182602

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57984.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

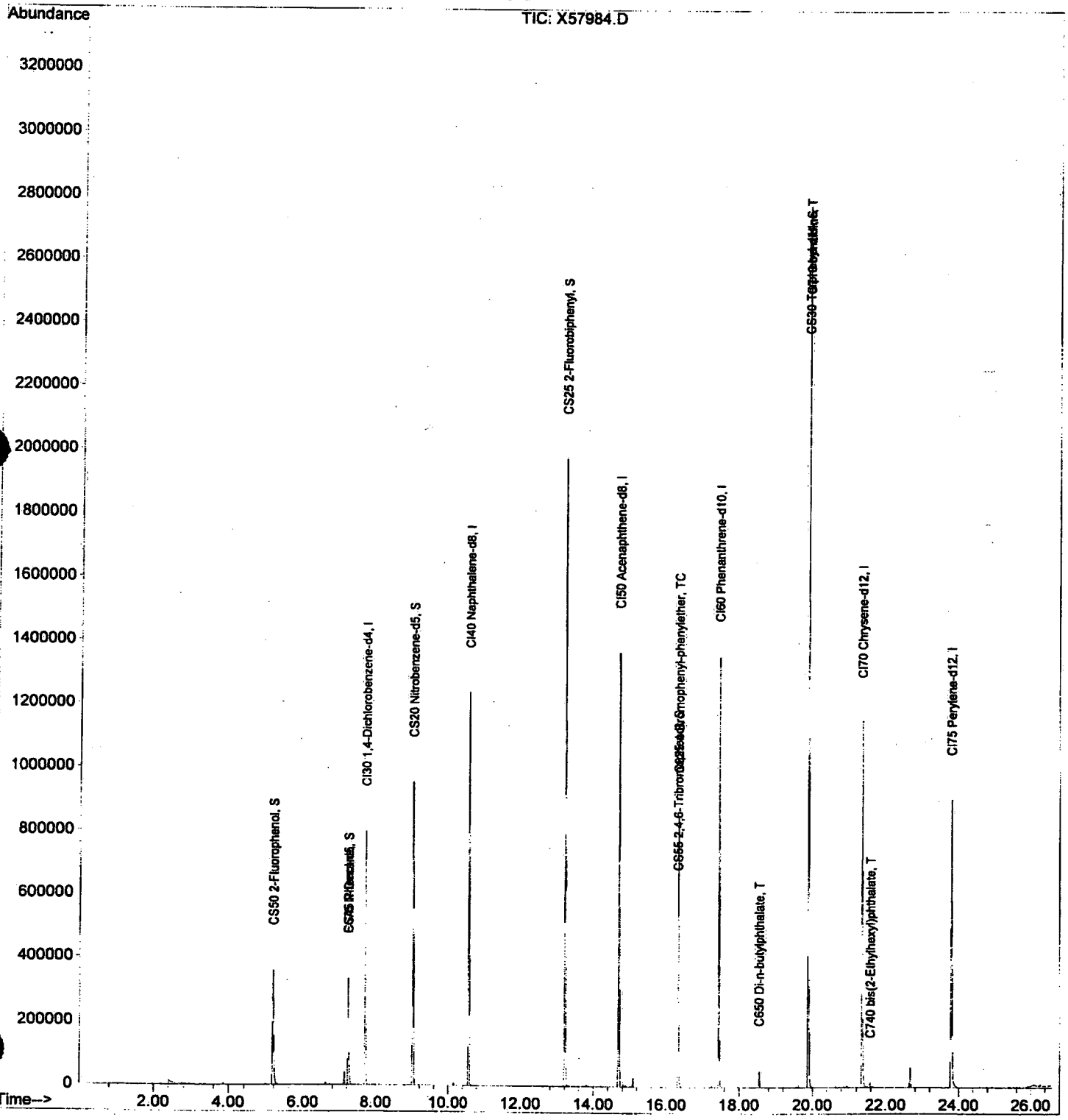
PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.4	U
606-20-2	2,6-Dinitrotoluene	5.8	U
84-74-2	Di-n-butyl phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.5	U
206-44-0	Fluoranthene	7.9	U
86-73-7	Fluorene	7.2	U
118-74-1	Hexachlorobenzene	6.9	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.3	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.9	U
78-59-1	Isophorone	3.7	U
91-20-3	Naphthalene	3.5	U
98-95-3	Nitrobenzene	2.9	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.4	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.7	U
86-30-6	N-nitrosodiphenylamine	6.2	U
87-86-5	Pentachlorophenol	15	U
85-01-8	Phenanthrene	7.6	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	6.0	U
120-82-1	1,2,4-Trichlorobenzene	2.9	U
88-06-2	2,4,6-Trichlorophenol	5.3	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57984.D Vial: 8
Acq On : 18 Oct 2003 11:46 Operator:
Sample : SBLK31 AW30014128 Inst : I50X-A
Misc : 03-9900/53/78/81/47/9894 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:32 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3B1188102

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: X58015.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	5.1	U
208-96-8	Acenaphthylene	5.1	U
120-12-7	Anthracene	6.6	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.6	U
207-08-9	Benzo(k)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	4.6	U
50-32-8	Benzo(a)pyrene	6.7	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.1	U
101-55-3	4-Bromophenyl phenyl ether	5.9	U
85-68-7	Butyl benzyl phthalate	4.4	U
59-50-7	Cresol, p-Chloro-m-	3.7	U
91-58-7	2-Chloronaphthalene	5.4	U
95-57-8	2-Chlorophenol	3.4	U
7005-72-3	4-Chlorophenyl phenyl ether	5.8	U
218-01-9	Chrysene	6.5	U
53-70-3	Dibenzo(a,h)anthracene	6.0	U
541-73-1	1,3-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	3.3	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.4	U
84-66-2	Diethyl phthalate	6.6	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	6.0	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.9	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

atrix: (soil/water) WATER Lab Sample ID: A3B1188102

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: X58015.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

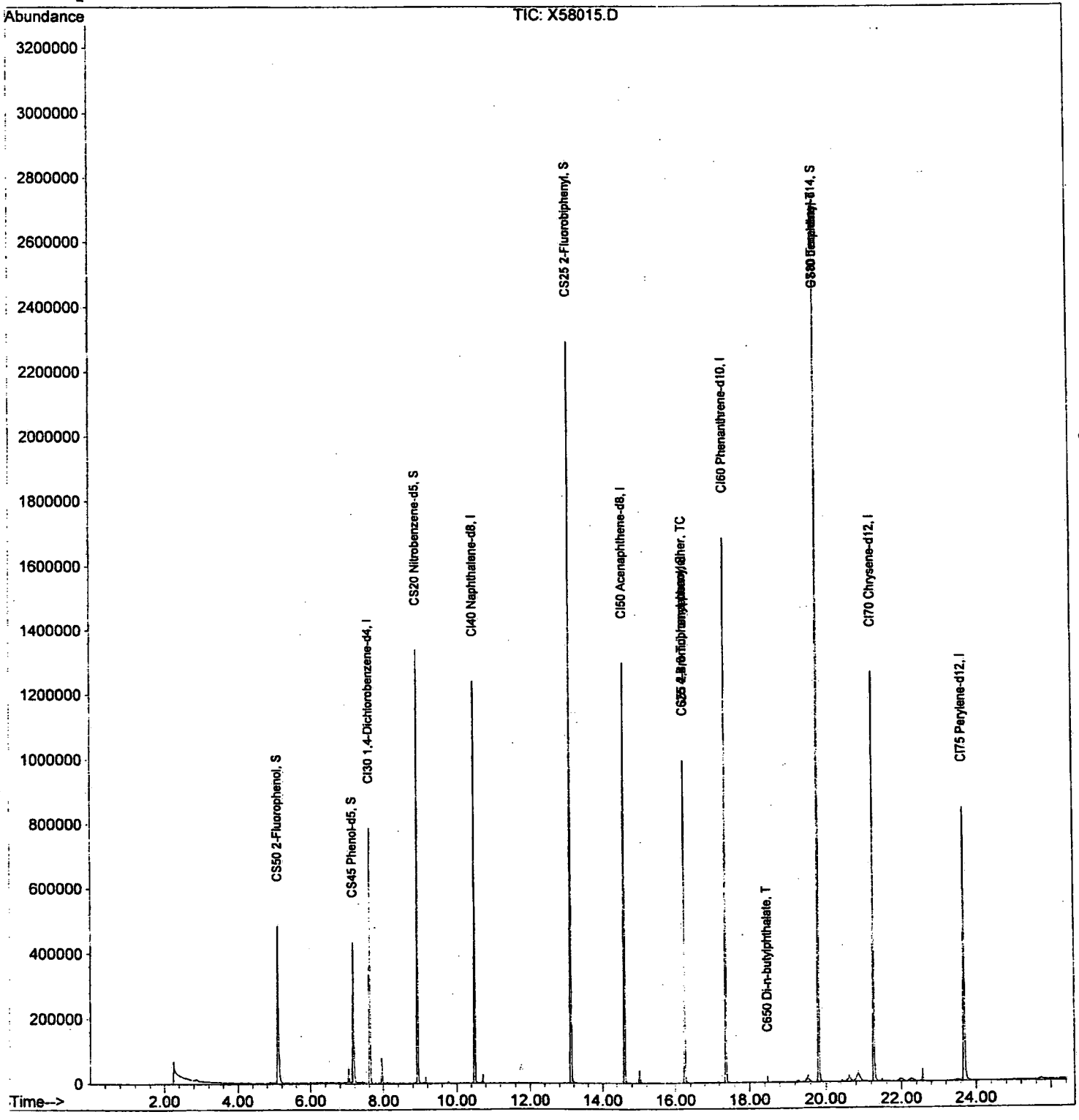
PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.4	U
606-20-2	2,6-Dinitrotoluene	5.8	U
84-74-2	Di-n-butyl phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.5	U
206-44-0	Fluoranthene	7.9	U
86-73-7	Fluorene	7.2	U
118-74-1	Hexachlorobenzene	6.9	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.3	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.9	U
78-59-1	Isophorone	3.7	U
91-20-3	Naphthalene	3.5	U
98-95-3	Nitrobenzene	2.9	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.4	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.7	U
86-30-6	N-nitrosodiphenylamine	6.2	U
87-86-5	Pentachlorophenol	15	U
85-01-8	Phenanthrene	7.6	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	6.0	U
120-82-1	1,2,4-Trichlorobenzene	2.9	U
88-06-2	2,4,6-Trichlorophenol	5.3	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\102103\X58015.D Vial: 8
Acq On : 21 Oct 2003 11:43 Operator:
Sample : SBLK32 AW30014204 Inst : I50X-A
Misc : 03-A007/053/069/9984 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 21 14:12 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Tue Oct 21 10:16:04 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1182601

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57983.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	38	
208-96-8	Acenaphthylene	39	
120-12-7	Anthracene	41	
92-87-5	Benzidine	17	J
56-55-3	Benzo(a)anthracene	48	
205-99-2	Benzo(b)fluoranthene	48	
207-08-9	Benzo(k)fluoranthene	45	
191-24-2	Benzo(ghi)perylene	51	
50-32-8	Benzo(a)pyrene	48	
111-91-1	Bis(2-chloroethoxy) methane	37	
111-44-4	Bis(2-chloroethyl) ether	32	
108-60-1	2,2'-Oxybis(1-Chloropropane)	31	
117-81-7	Bis(2-ethylhexyl) phthalate	46	
101-55-3	4-Bromophenyl phenyl ether	38	
85-68-7	Butyl benzyl phthalate	45	
59-50-7	Cresol, p-Chloro-m-	43	
91-58-7	2-Chloronaphthalene	32	
95-57-8	2-Chlorophenol	31	
7005-72-3	4-Chlorophenyl phenyl ether	42	
218-01-9	Chrysene	44	
53-70-3	Dibenzo(a,h)anthracene	49	
541-73-1	1,3-Dichlorobenzene	13	
95-50-1	1,2-Dichlorobenzene	16	
106-46-7	1,4-Dichlorobenzene	14	
91-94-1	3,3'-Dichlorobenzidine	53	
120-83-2	2,4-Dichlorophenol	39	
84-66-2	Diethyl phthalate	48	
105-67-9	2,4-Dimethylphenol	41	
131-11-3	Dimethyl phthalate	47	
534-52-1	Cresol, 4,6-Dinitro-O-	39	
122-66-7	1,2-Diphenylhydrazine	42	
51-28-5	2,4-Dinitrophenol	33	J

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

trix: (soil/water) WATER Lab Sample ID: A3B1182601

mple wt/vol: 1000.0 (g/mL) ML Lab File ID: X57983.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

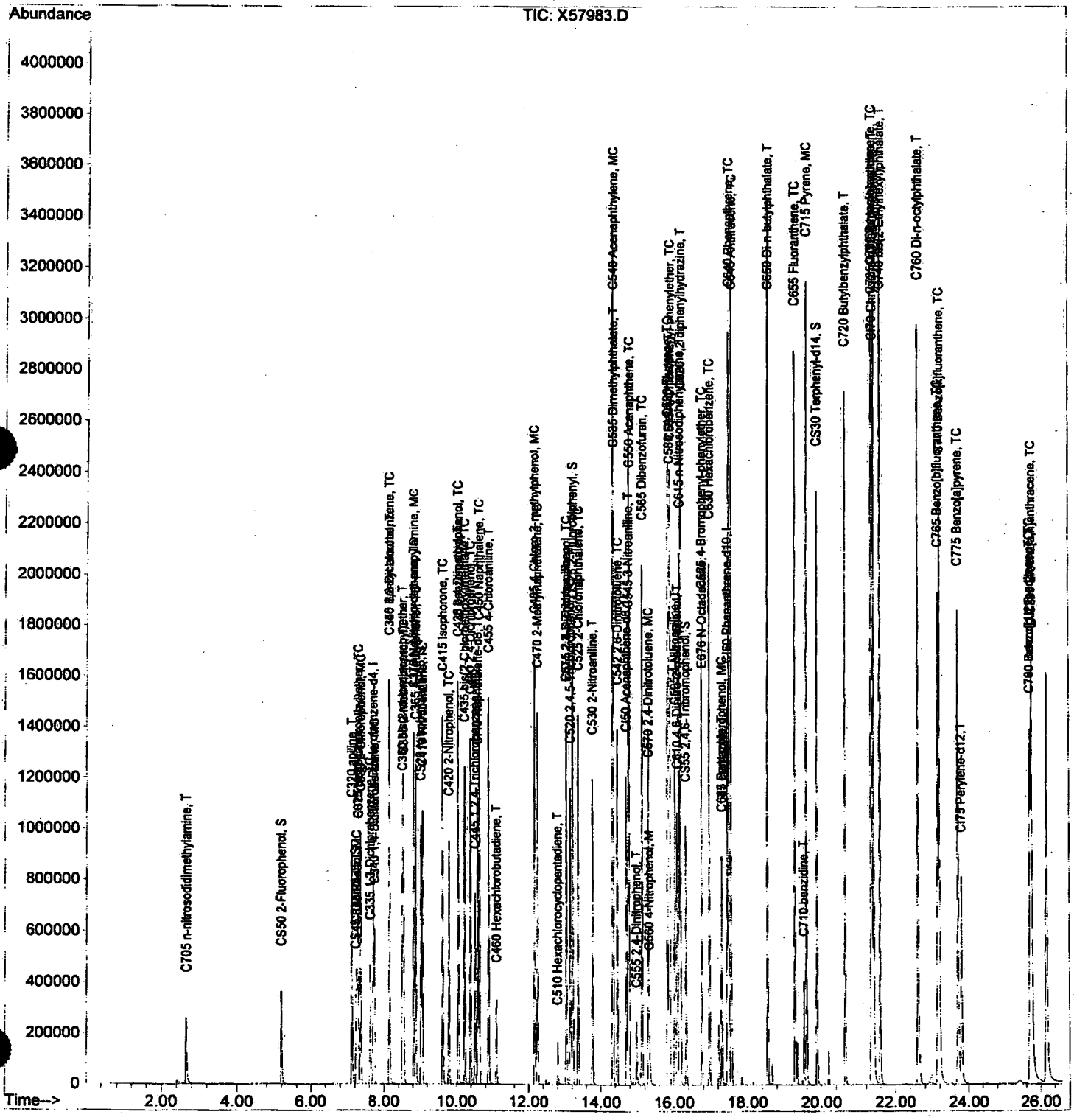
C Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	49	
606-20-2	2,6-Dinitrotoluene	46	
84-74-2	Di-n-butyl phthalate	42	
117-84-0	Di-n-octyl phthalate	46	
206-44-0	Fluoranthene	42	
86-73-7	Fluorene	44	
118-74-1	Hexachlorobenzene	39	
87-68-3	Hexachlorobutadiene	11	
77-47-4	Hexachlorocyclopentadiene	12	
67-72-1	Hexachloroethane	9.2	
193-39-5	Indeno(1,2,3-cd)pyrene	51	
78-59-1	Isophorone	37	
91-20-3	Naphthalene	28	
98-95-3	Nitrobenzene	34	
88-75-5	2-Nitrophenol	36	
100-02-7	4-Nitrophenol	20	
62-75-9	N-Nitrosodimethylamine	23	
621-64-7	N-Nitroso-Di-n-propylamine	36	
86-30-6	N-nitrosodiphenylamine	32	
87-86-5	Pentachlorophenol	36	
85-01-8	Phenanthrene	41	
108-95-2	Phenol	15	
129-00-0	Pyrene	52	
120-82-1	1,2,4-Trichlorobenzene	18	
88-06-2	2,4,6-Trichlorophenol	44	

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57983.D Vial: 7
Acq On : 18 Oct 2003 11:12 Operator:
Sample : MSB AW30014127 Inst : I50X-A
Misc : 03-9900/53/78/81/47/9894 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:31 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1188101

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X58014.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	47	
208-96-8	Acenaphthylene	48	
120-12-7	Anthracene	44	
92-87-5	Benzidine	11	J
56-55-3	Benzo(a)anthracene	52	
205-99-2	Benzo(b)fluoranthene	51	
207-08-9	Benzo(k)fluoranthene	51	
191-24-2	Benzo(ghi)perylene	47	
50-32-8	Benzo(a)pyrene	52	
111-91-1	Bis(2-chloroethoxy) methane	46	
111-44-4	Bis(2-chloroethyl) ether	40	
108-60-1	2,2'-Oxybis(1-Chloropropane)	41	
117-81-7	Bis(2-ethylhexyl) phthalate	54	
101-55-3	4-Bromophenyl phenyl ether	44	
85-68-7	Butyl benzyl phthalate	52	
59-50-7	Cresol, p-Chloro-m-	52	
91-58-7	2-Chloronaphthalene	46	
95-57-8	2-Chlorophenol	38	
7005-72-3	4-Chlorophenyl phenyl ether	49	
218-01-9	Chrysene	47	
53-70-3	Dibenzo(a,h)anthracene	44	
541-73-1	1,3-Dichlorobenzene	36	
95-50-1	1,2-Dichlorobenzene	37	
106-46-7	1,4-Dichlorobenzene	37	
91-94-1	3,3'-Dichlorobenzidine	54	
120-83-2	2,4-Dichlorophenol	50	
84-66-2	Diethyl phthalate	51	
105-67-9	2,4-Dimethylphenol	48	
131-11-3	Dimethyl phthalate	49	
534-52-1	Cresol, 4,6-Dinitro-O-	44	
122-66-7	1,2-Diphenylhydrazine	48	
51-28-5	2,4-Dinitrophenol	38	J

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1188101

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X58014.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

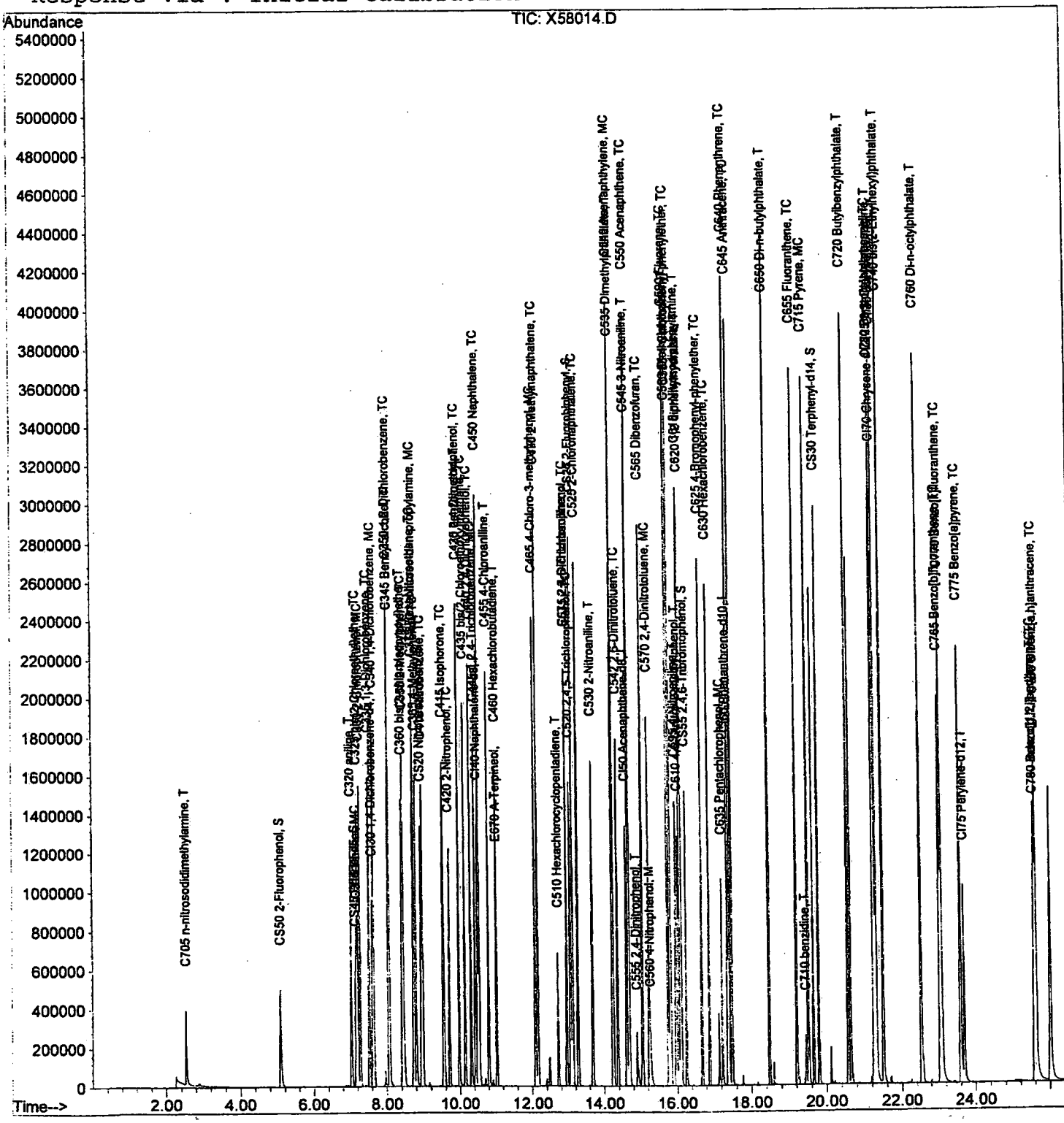
GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	52	
606-20-2	2,6-Dinitrotoluene	51	
84-74-2	Di-n-butyl phthalate	45	
117-84-0	Di-n-octyl phthalate	55	
206-44-0	Fluoranthene	44	
86-73-7	Fluorene	51	
118-74-1	Hexachlorobenzene	42	
87-68-3	Hexachlorobutadiene	39	
77-47-4	Hexachlorocyclopentadiene	51	
67-72-1	Hexachloroethane	34	
193-39-5	Indeno(1,2,3-cd)pyrene	47	
78-59-1	Isophorone	45	
91-20-3	Naphthalene	44	
98-95-3	Nitrobenzene	42	
88-75-5	2-Nitrophenol	47	
100-02-7	4-Nitrophenol	22	
62-75-9	N-Nitrosodimethylamine	28	
621-64-7	N-Nitroso-Di-n-propylamine	43	
86-30-6	N-nitrosodiphenylamine	38	
87-86-5	Pentachlorophenol	40	
85-01-8	Phenanthrene	44	
108-95-2	Phenol	19	
129-00-0	Pyrene	52	
120-82-1	1,2,4-Trichlorobenzene	41	
88-06-2	2,4,6-Trichlorophenol	52	

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\102103\X58014.D Vial: 7
Acq On : 21 Oct 2003 11:09 Operator:
Sample : MSB AW30014203 Inst : I50X-A
Misc : 03-A007/053/069/9984 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 21 14:12 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Tue Oct 21 10:16:04 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803MS

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X57993.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	39	
208-96-8	Acenaphthylene	40	
120-12-7	Anthracene	36	
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	44	
205-99-2	Benzo(b)fluoranthene	45	
207-08-9	Benzo(k)fluoranthene	37	
191-24-2	Benzo(ghi)perylene	46	
50-32-8	Benzo(a)pyrene	42	
111-91-1	Bis(2-chloroethoxy) methane	38	
111-44-4	Bis(2-chloroethyl) ether	33	
108-60-1	2,2'-Oxybis(1-Chloropropane)	34	
117-81-7	Bis(2-ethylhexyl) phthalate	46	
101-55-3	4-Bromophenyl phenyl ether	37	
85-68-7	Butyl benzyl phthalate	44	
59-50-7	Cresol, p-Chloro-m-	45	
91-58-7	2-Chloronaphthalene	35	
95-57-8	2-Chlorophenol	32	
7005-72-3	4-Chlorophenyl phenyl ether	40	
218-01-9	Chrysene	39	
53-70-3	Dibenzo(a,h)anthracene	43	
541-73-1	1,3-Dichlorobenzene	22	
95-50-1	1,2-Dichlorobenzene	25	
106-46-7	1,4-Dichlorobenzene	23	
91-94-1	3,3'-Dichlorobenzidine	30	
120-83-2	2,4-Dichlorophenol	41	
84-66-2	Diethyl phthalate	44	
105-67-9	2,4-Dimethylphenol	44	
131-11-3	Dimethyl phthalate	43	
534-52-1	Cresol, 4,6-Dinitro-O-	33	
122-66-7	1,2-Diphenylhydrazine	41	
51-28-5	2,4-Dinitrophenol	32	J

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803MS

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X57993.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	50	
606-20-2	2,6-Dinitrotoluene	44	
84-74-2	Di-n-butyl phthalate	38	
117-84-0	Di-n-octyl phthalate	45	
206-44-0	Fluoranthene	37	
86-73-7	Fluorene	43	
118-74-1	Hexachlorobenzene	35	
87-68-3	Hexachlorobutadiene	22	
77-47-4	Hexachlorocyclopentadiene	12	
67-72-1	Hexachloroethane	18	
193-39-5	Indeno(1,2,3-cd)pyrene	46	
78-59-1	Isophorone	38	
91-20-3	Naphthalene	33	
98-95-3	Nitrobenzene	36	
88-75-5	2-Nitrophenol	38	
100-02-7	4-Nitrophenol	22	
62-75-9	N-Nitrosodimethylamine	22	
621-64-7	N-Nitroso-Di-n-propylamine	38	
86-30-6	N-nitrosodiphenylamine	33	
87-86-5	Pentachlorophenol	40	
85-01-8	Phenanthrene	35	
108-95-2	Phenol	14	
129-00-0	Pyrene	47	
120-82-1	1,2,4-Trichlorobenzene	27	
88-06-2	2,4,6-Trichlorophenol	45	

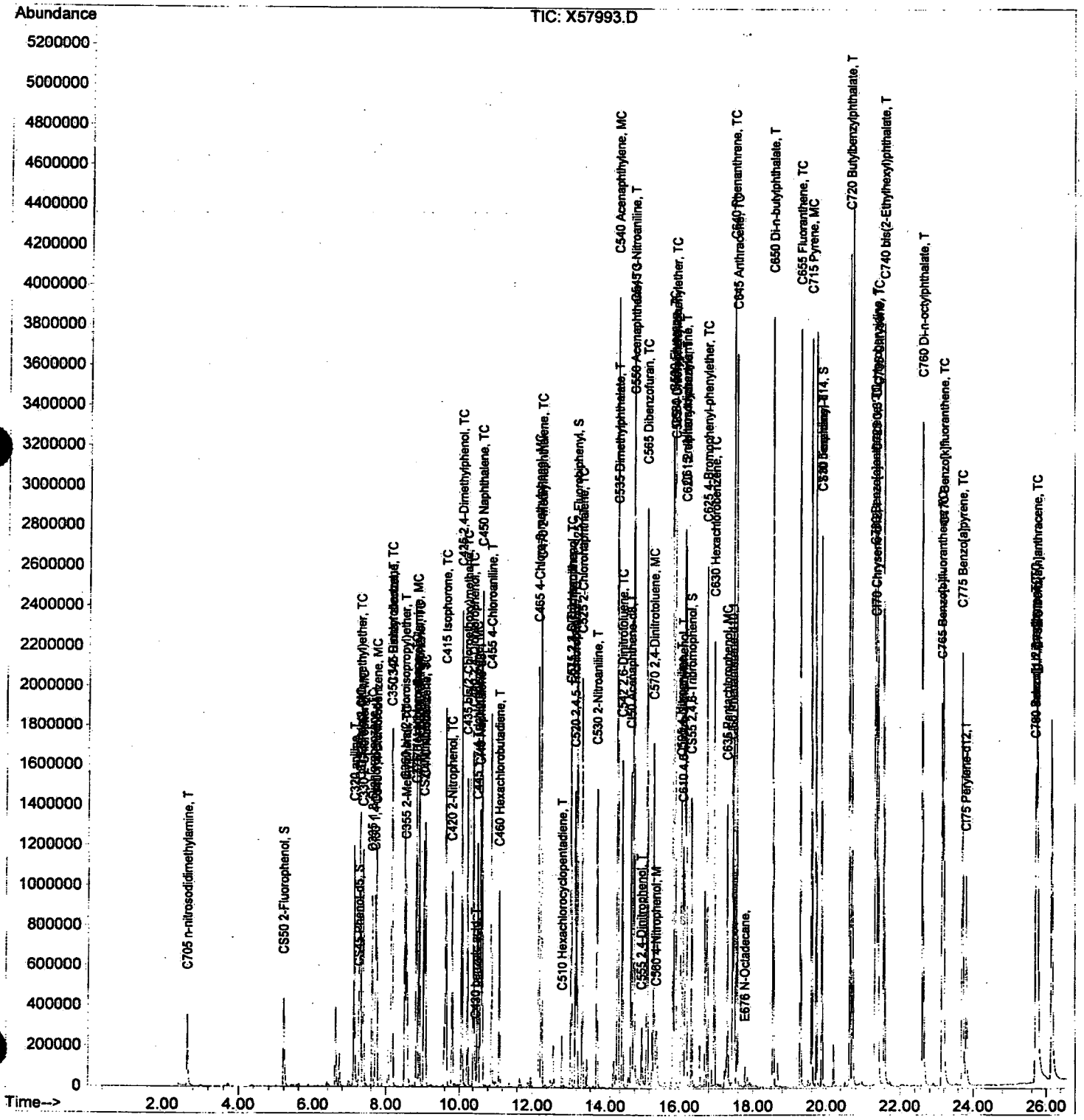
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57993.D
Acq On : 18 Oct 2003 16:49
Sample : A3997803MS AW30014137
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 20 6:36 2003

Vial: 17
Operator:
Inst : I50X-A
Multiplr: 1.00

Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803SD

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X57994.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	40	
208-96-8	Acenaphthylene	41	
120-12-7	Anthracene	36	
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	45	
205-99-2	Benzo(b)fluoranthene	40	
207-08-9	Benzo(k)fluoranthene	44	
191-24-2	Benzo(ghi)perylene	48	
50-32-8	Benzo(a)pyrene	43	
111-91-1	Bis(2-chloroethoxy) methane	39	
111-44-4	Bis(2-chloroethyl) ether	34	
108-60-1	2,2'-Oxybis(1-Chloropropane)	35	
117-81-7	Bis(2-ethylhexyl) phthalate	47	
101-55-3	4-Bromophenyl phenyl ether	38	
85-68-7	Butyl benzyl phthalate	46	
59-50-7	Cresol, p-Chloro-m-	45	
91-58-7	2-Chloronaphthalene	37	
95-57-8	2-Chlorophenol	32	
7005-72-3	4-Chlorophenyl phenyl ether	41	
218-01-9	Chrysene	40	
53-70-3	Dibenzo(a,h)anthracene	44	
541-73-1	1,3-Dichlorobenzene	23	
95-50-1	1,2-Dichlorobenzene	26	
106-46-7	1,4-Dichlorobenzene	24	
91-94-1	3,3'-Dichlorobenzidine	33	
120-83-2	2,4-Dichlorophenol	41	
84-66-2	Diethyl phthalate	44	
105-67-9	2,4-Dimethylphenol	44	
131-11-3	Dimethyl phthalate	44	
534-52-1	Cresol, 4,6-Dinitro-O-	34	
122-66-7	1,2-Diphenylhydrazine	40	
51-28-5	2,4-Dinitrophenol	32	J

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803SD

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: X57994.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

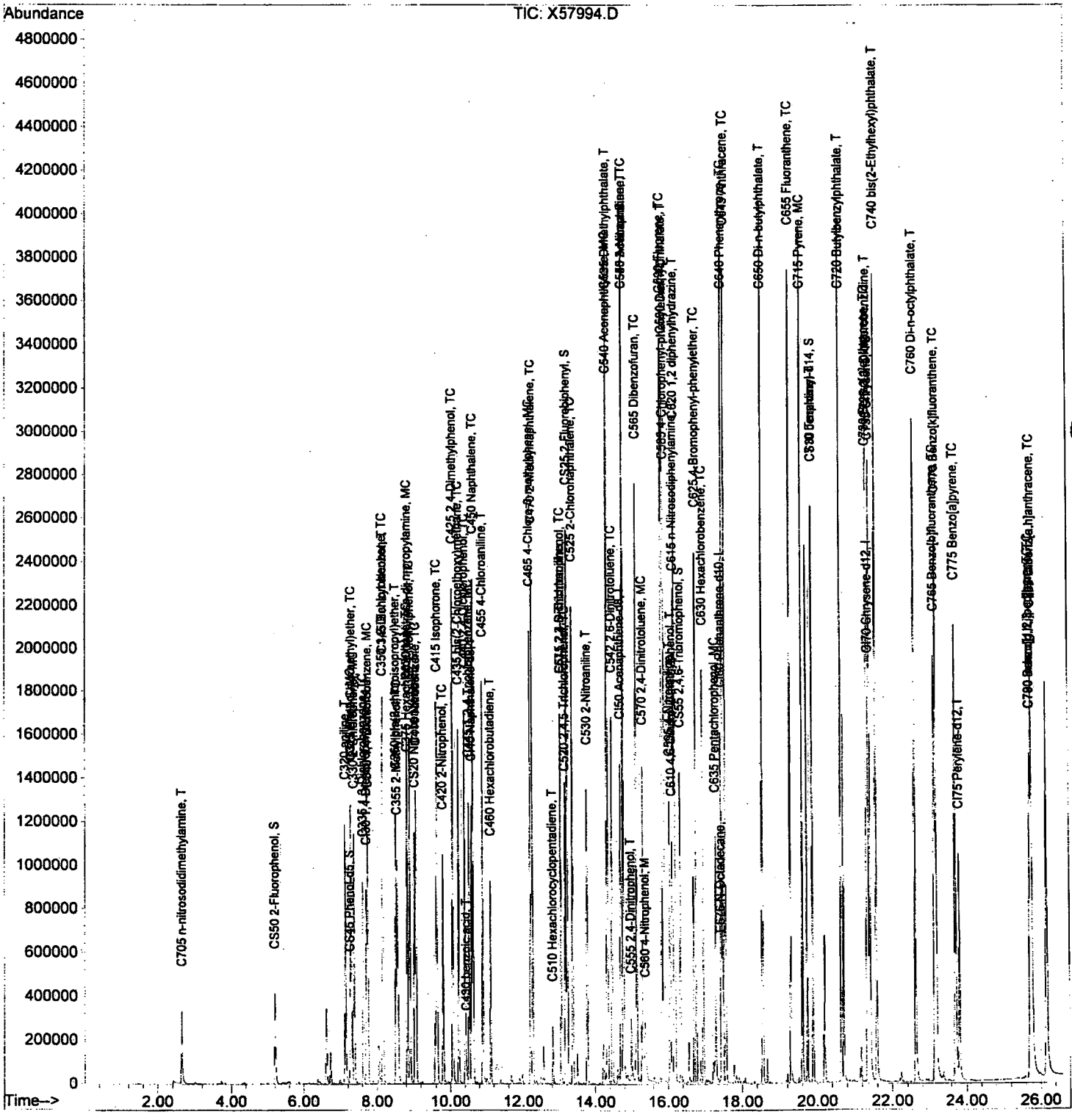
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	51	
606-20-2	2,6-Dinitrotoluene	45	
84-74-2	Di-n-butyl phthalate	38	
117-84-0	Di-n-octyl phthalate	45	
206-44-0	Fluoranthene	39	
86-73-7	Fluorene	44	
118-74-1	Hexachlorobenzene	36	
87-68-3	Hexachlorobutadiene	22	
77-47-4	Hexachlorocyclopentadiene	14	
67-72-1	Hexachloroethane	19	
193-39-5	Indeno(1,2,3-cd)pyrene	48	
78-59-1	Isophorone	38	
91-20-3	Naphthalene	34	
98-95-3	Nitrobenzene	36	
88-75-5	2-Nitrophenol	40	
100-02-7	4-Nitrophenol	22	
62-75-9	N-Nitrosodimethylamine	23	
621-64-7	N-Nitroso-Di-n-propylamine	40	
86-30-6	N-nitrosodiphenylamine	33	
87-86-5	Pentachlorophenol	39	
85-01-8	Phenanthrene	37	
108-95-2	Phenol	15	
129-00-0	Pyrene	47	
120-82-1	1,2,4-Trichlorobenzene	28	
88-06-2	2,4,6-Trichlorophenol	45	

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57994.D Vial: 18
Acq On : 18 Oct 2003 17:22 Operator:
Sample : A3997803SD AW30014138 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:37 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



STL Buffalo
Date: 10/16/2003
Time: 13:29:01

Organic Prep Log Book
(3510C) 625 WATERS
A3B11826

Rept: AN050

SURROGATE A186
Expiration Date: 3-1-04
Prepared by: KEA
Spiked by: mm 1000.00 ul
Witnessed by: _____

MATRIX SPIKE A193
Expiration Date: 3-24-04
Prepared by: mm
Spiked by: mm 500.00 ul
Witnessed by: _____

MeCl2: Y33E36
Acetone: _____
Hexane: _____
Na2So4: 113196330
1:1 H2SO4: 30623
10 N NaOH: 30855

Date Ext/Initials: 10-17-03 MM CM

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: 10-17-03 DRV

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A03-9953	A3995302	A	FS 1X	AW30014126	625 SVOA	CFR136	625	A00026	1	brown	7	1040	1.0
A3B11826	A3B1182601		MSB	AW30014127	625 SVOA	CFR136	625	A00026	A00056	clear	5	1000	
A3B11826	A3B1182602		MBLK	AW30014128	625 SVOA	CFR136	625	A00026					
A3B11826	A3B1182601		MSB	AW30014127	PP BNA	CFR136	625	A00026	A00056				
A3B11826	A3B1182602		MBLK	AW30014128	PP BNA	CFR136	625	A00026					
A03-9900	A3990001	A	FS 1X	AW30014129	PP BNA	CFR136	625	A00026		to yellow	8	1055	
A03-9900	A3990002		FS 2X	AW30014130	PP BNA	CFR136	625	A00026				1050	
A03-9900	A3990003		FS 10X	AW30014131	PP BNA	CFR136	625	A00026		yellow		1055	
A03-9900	A3990004		FS 1X	AW30014132	PP BNA	CFR136	625	A00026					
A03-9900	A3990005		FB 1X	AW30014133	PP BNA	CFR136	625	A00026		clear	6	1045	
A03-9978	A3997801	A	FS 2X	AW30014134	PP BNA	CFR136	625	A00026		brown	5	1050	
A03-9978	A3997802		FS 5X	AW30014135	PP BNA	CFR136	625	A00026			7		
A03-9978	A3997803	A+A+A	FS 1X	AW30014136	PP BNA	CFR136	625	A00026		yellow	7	1000	
A03-9978	A3997803MS		MS 1X	AW30014137	PP BNA	CFR136	625	A00026	A00056			1060	
A03-9978	A3997803SD		SD 1X	AW30014138	PP BNA	CFR136	625	A00026	A00056				
A03-9978	A3997804	A	FB 1X	AW30014139	PP BNA	CFR136	625	A00026		clear	6	1050	

4691028

STL Buffalo
Date: 10/16/2003
Time: 13:29:01

Organic Prep Log Book
(3510C) 625 WATERS
A3B11826

Rept: AN05C

SURROGATE
Expiration Date: _____
Prepared by: _____
Spiked by: _____
Witnessed by: _____

0.00 ul

MATRIX SPIKE
Expiration Date: _____
Prepared by: _____
Spiked by: _____
Witnessed by: _____

0.00 ul

MeCl2: _____
Acetone: _____
Hexane: _____
Na2So4: _____
1:1 H2SO4: _____
10 N NaOH: _____

Date Ext/Initials: _____ _____

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one)

AQUEOUS EXTRACTIONS

Date Conc/Initials: _____ _____

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A03-9981	A3998101	A	FS 1X	AW30014140	PP BNA	CFR136	625	A00026		tan	7	1055	1.0
A03-9981	A3998102		FS	AW30014141	PP BNA	CFR136	625	A00026				↓	
A03-9981	A3998103		FS	AW30014142	PP BNA	CFR136	625	A00026				1050	
A03-9981	A3998104		FS	AW30014143	PP BNA	CFR136	625	A00026				1030	
A03-9981	A3998105		FB	AW30014144	PP BNA	CFR136	625	A00026			↓	1040	
A3B11826	A3B1182601		MSB	AW30014127	TIO BNA	CFR136	625	A00026	A00056	Clear	5	1000	
A3B11826	A3B1182602		MBLK	AW30014128	TIO BNA	CFR136	625	A00026		↓	↓	↓	
A03-9894	A3989401	A	FS 10X	AW30014145	TIO BNA	CFR136	625	A00026		brown	8	1035	
A03-9947	A3994701	↓	FS 10X	AW30014146	TIO BNA	CFR136	625	A00026		↓	↓	1055	
A3B11826	A3B1182601		MSB	AW30014127	625 SVOA	CFR136	625	A00026	A00056	Clear	5	1000	
A3B11826	A3B1182602		MBLK	AW30014128	625 SVOA	CFR136	625	A00026		↓	↓	↓	
A03-9953	A3995301	B	FS 5X	AW30014147	625 SVOA	CFR136	625	A00026		amber	5	1045	↓

Comments: _____

470/1028

IL Buffalo
ate: 10/17/2003
ime: 14:24:23

Organic Prep Log Book
(3510C) 625 WATERS
A3B11881

Rept: AN0501

SURROGATE A26
Expiration Date: 3-1-04
Prepared by: KEA
Spiked by: ME 100 0.00 ul
Witnessed by:

MATRIX SPIKE A193
Expiration Date: 3-24-04
Prepared by: MM
Spiked by: ME 50 0.00 ul
Witnessed by:

MeCl2: Y37E21
Acetone:
Hexane:
Na2So4: 43196330
1:1 H2SO4:
10 N NaOH:

Date Ext/Initials: 10-17-03 ME

Date Cleanup/Initials:

Extraction Type: SEPF or CLLE (circle one)

AQUEOUS EXTRACTIONS

Date Conc/Initials: 10-17-03 ME

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A03-A007	A3A00701	A	FS	AW30014197	PP BNA	CFR136	625	A00026		lt yellow	6	1050	1.0
A03-A007	A3A00702		FS	AW30014198	PP BNA	CFR136	625	A00026				1050	
A03-A007	A3A00703		FS	AW30014199	PP BNA	CFR136	625	A00026				1050	
A03-A007	A3A00704		FS	AW30014200	PP BNA	CFR136	625	A00026		orange		1050	
A03-A007	A3A00705		FS	AW30014201	PP BNA	CFR136	625	A00026		yellow		1050	
A03-A007	A3A00706		FB	AW30014202	PP BNA	CFR136	625	A00026		Clear		1050	
A3B11881	A3B1188101		MSB	AW30014203	PP BNA	CFR136	625	A00026	A00056		5	1000	
A3B11881	A3B1188102		MBLK	AW30014204	PP BNA	CFR136	625	A00026					
A3B11881	A3B1188101		MSB	AW30014203	625 SVOA	CFR136	625	A00026	A00056				
A3B11881	A3B1188102		MBLK	AW30014204	625 SVOA	CFR136	625	A00026					
A03-A069	A3A06901		FS	AW30014205	625 SVOA	CFR136	625	A00026		yellow	6	1030	
A3B11881	A3B1188101		MSB	AW30014203	SEL SEMI	CFR136	625	A00026	A00056	ME 10-17-03 A clear	5	1000	
A3B11881	A3B1188102		MBLK	AW30014204	SEL SEMI	CFR136	625	A00026			5		
A03-9984	A3998401		FS	AW30014206	SEL SEMI	CFR136	625	A00026		Brown	9	1000	
A03-9984	A3998401MS		MS	AW30014207	SEL SEMI	CFR136	625	A00026	A00056			900	
A03-9984	A3998401SD		SD	AW30014208	SEL SEMI	CFR136	625	A00026	A00056				

4/1/1028

TL Buffalo
ate: 10/17/2003
ime: 14:24:23

Organic Prep Log Book
(3510C) 625 WATERS
A3B11881

Rept: AN0501

SURROGATE
Expiration Date: _____
Prepared by: _____
Spiked by: _____ 0.00 ul
Witnessed by: _____

MATRIX SPIKE
Expiration Date: _____
Prepared by: _____
Spiked by: _____ 0.00 ul
Witnessed by: _____

MeCl2: _____
Acetone: _____
Hexane: _____
Na2So4: _____
1:1 H2SO4: _____
10 N NaOH: _____

Date Ext/Initials: _____ _____

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: _____ _____

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A3B11881	A3B1188101		MSB	AW30014203	TCL BN	CFR136	625	A00026	A00056	Clear	5	1000	1.0
A3B11881	A3B1188102		MBLK	AW30014204	TCL BN	CFR136	625	A00026		"	"	"	"
A03-A053	A3A05301		FS	AW30014209	TCL BN	CFR136	625	A00026		"	6	1005	"

Comments: _____

472/1028

GCMS SEMIVOLATILE INJECTION LOG

DATE	TIME	ANALYST	FRN	SAMPLE ID	VIAL #	IOD	INJ VOL	F.V.	DF	NG I.S.	I.S. ID	SYR ID.	I.S. REC.	I.S. #2 % R
10/16/03	1756	DKJ	X57957	A3983401	AW30013963	9834	2.0	1.0	1	40	SC16-12	013-S	86	83
	1829		X57958	A3980601	66	9806			1				108	106
	1903		X57959	02	67				1				101	98
	1937		X57960	03	68				1				91	90
	2010		X57961	03MS	69				1				94	93
	2044		X57962	03SD	70				1				90	90
	2118		X57963	04	71				10				96	94
	0628		X57964	05	72				5				76	73
	0702		X57965	06	73				5				79	77
	0735		X57966	07	74				1				95	93
	0809		X57967	A3985001	75	9850			1					
	0842		X57968	03	76				1				87	85
	0916		X57969	04	77				1				87	86
	0949		X57970	05	78				10				94	9[illegible]
	1023		X57971	06	79				1				85	87
	1057		X57972	A3981901	80	9819			5				83	82
	1130		X57973	A3962301	532	9623			1				94	90
	1204		X57974	A3976404	822	9764		10.0	10				92	89
	1237		X57975	05	823								98	97
	1311		X57976	06	824								102	101
10/18/03	0801	DKJ	X57977	DFTPP025	SC13-31	—	2.0							
	0824		X57978	SSTD 020	625 (9/2/03)	—								
	0857		X57979	086		—								
	0931		X57980	160		—								
	1005		X57981	SSTD 020	[illegible] (6/11/03)	—								
	1038		X57982	CHECK 080	2ND sk (3/31/03)	—								
	1112		X57983	MSB	AW30014127	9900/53/78/81 43/5991		1.0	1	40	SC16-12	013-S	86	85
	1146		X57984	SBLK31	128				1				88	85
	1219		X57985	A3990001	129	9900			1				96	97

SEVERN TRENT LABORATORIES, INC.

000086

Reviewed By Daniel K [illegible]

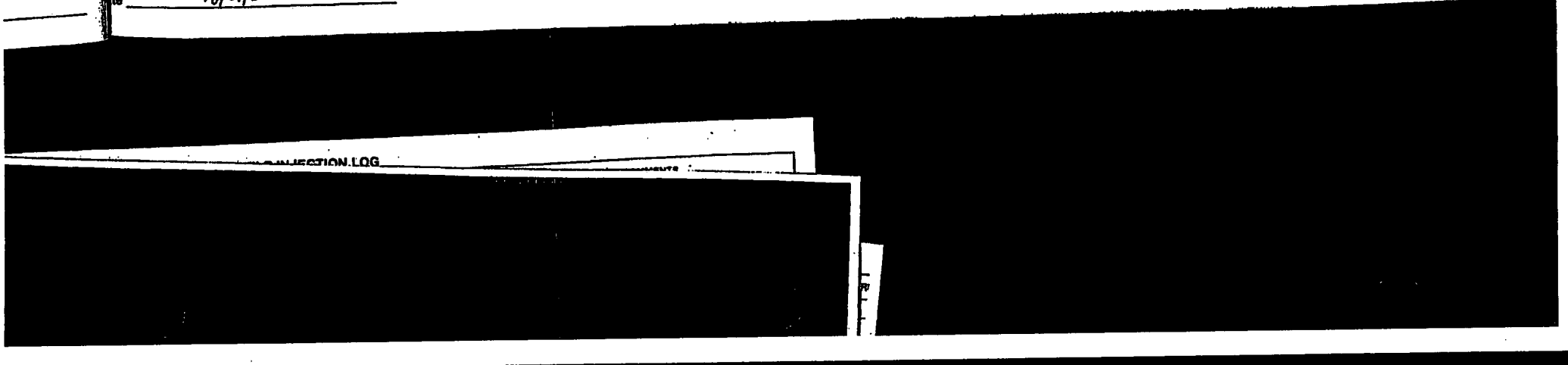
NO.

S. #2 % REC.	I.S. #3 % REC.	I.S. #4 % REC.	I.S. #5 % REC.	I.S. #6 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	S.S. #5 % REC.	S.S. #6 % REC.	S.S. #7 % REC.	S.S. #8 % REC.	COMMENTS
83	81	91	89	92	40	26	75	83	71	87			
106	109	107	95	120	42	27	76	82	88	74			
98	97	104	96	106	41	28	75	92	98	88			
90	88	95	87	93	44	30	79	95	95	90			
93	93	102	85	99	50	41	68	77	78	84			
90	89	100	86	95	55	45	75	89	89	94			
94	94	99	89	93	30	20	70	90	80	80			MATRIX
73	69	71	77	95	40	30	75	95	90	80			
77	73	74	75	94	35	35	75	90	90	70			
93	93	103	102	105	37	22	67	85	81	95			EXTREME MATRIX RI @ DL
85	84	93	91	101	31	20	64	81	82	84			
86	86	94	89	102	30	21	55	70	85	71			
89	93	102	93	118	30	30	100	100	90	80			
87	86	101	101	106	37	26	76	92	86	95			
82	82	94	92	98	40	25	95	120	90	115			
90	91	106	95	105	43	28	85	88	90	99			
89	87	93	90	117	D					1			D = DAM, DL out
97	97	108	108	117	D					1			
103	99	108	95	105	D								DNCHL, no tail deg OK T-2595 T-1355
													Remove Acad 2,4 - Juniata Hunt used from this std
85	78	87	74	81	38	27	70	85	85	96			
85	82	93	87	86	41	27	71	81	66	94			
97	98	105	95	96	40	28	75	91	92	93			

Date 10/21/03

000087

NO. _____ Page 2



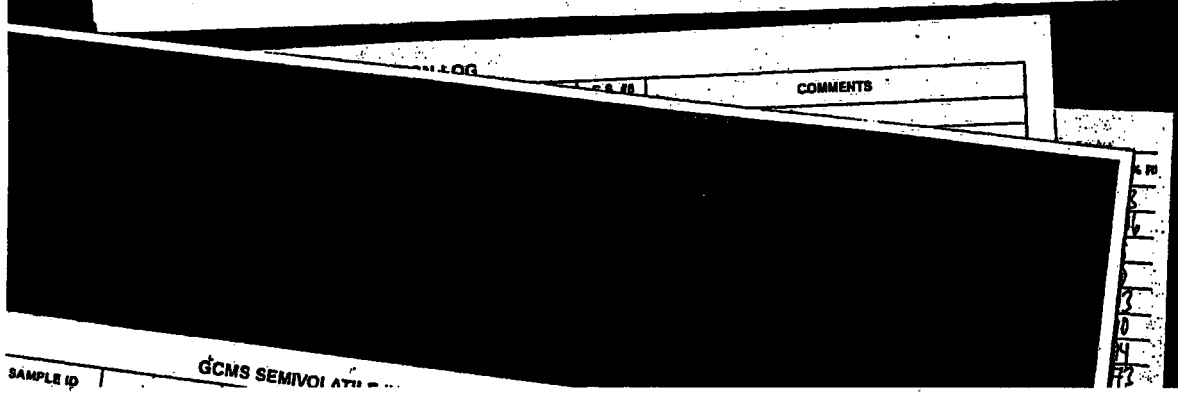
GCMS SEMI[illegible]ATILE INJECTION LOG

DATE	TIME	ANALYST	FRN	SAMPLE ID	VIAL #	JOB # A07-	[illegible] VOL µl	F.V. ml	DF	NG I.S.	I.S. ID	SYR ID.	I.S. #1	I.S. #2 % REC
10/18/03	1253	[illegible]	X57986	A3990002	AW30014120	9900	2.0	1.0	2	40	SC16-12	013-S	93	93
	1327		X57987	03	31				10				95	94
	1400		X57988	04	32				1				110	109
	1434		X57989	05	33				1				99	97
	1508		X57990	A3997801	34	9978			2				100	97
	1541		X57991	02	35				5				95	92
	1615		X57992	03	36				1				97	93
	1649		X57993	03MS	37				1				102	99
	1722		X57994	03SD	38				1				94	94
	1756		X57995	04	39				1				97	92
	1829		X57996	A3998101	40	9981			1				93	86
	1903		X57997	02	41				1				103	96
	1936		X57998	03	42				1				96	90
	2010		X57999	04	43				1				96	92
	2043		X58000	05	44				1				103	99
	2117		X58001	A3989401	45	9894			10				97	94
	2150		X58002	A3994701	46	9947			10				99	93
	2224		X58003	A3995301	47	9953			5				91	86
	2257		X58004	A3995302	26				1				85	79
	2331		X58005	A3985001	13975	9850			50				79	72
10/19/03	0004		X58006	A3976403DL	[illegible] 821	9764		10.0	25				85	81
	0038		X58007	06DL	824				25				88	26
10/21/03	0758	[illegible]	X58008	DFTPP025	SC13-3I	—	2.0							
	0821		X58009	SSTD 020	625 (9/2/03)	—								
	0854		X58010	080		—								
	0928		X58011	160		—								
	1002		X58012	SSTD 020	PHENOL, D.A. [illegible] (6/11/03)	—								
	1036		X58013	CHECK080	2ND S/L (6/6/03)	—								
	1109		X58014	MSB	AW30014203	A007/003/004 9984		1.0	1	40	SC16-19	013-S	109	106

SEVERN TRENT LABORATORIES, INC.

000088

Reviewed By _____ NO. _____



[redacted]

COMMENTS

SAMPLE ID

GCMS SEMIVOLATILE ...

GCMS SEMIVOLATILE INJECTION LOG

I.S. #3 % REC.	I.S. #4 % REC.	I.S. #5 % REC.	I.S. #6 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	S.S. #5 % REC.	S.S. #6 % REC.	S.S. #7 % REC.	S.S. #8 % REC.	COMMENTS
95	100	92	95	38	26	70	88	92	80	—	—	
93	102	94	93	30	20	80	100	90	100	—	—	
108	112	100	110	40	27	69	80	88	82	—	—	
93	109	102	102	32	20	58	70	59	81	—	—	
101	99	89	111	48	32	88	100	108	74	—	—	
92	96	85	96	35	25	75	100	100	100	—	—	
90	101	92	97	42	31	73	86	86	79	—	—	
96	109	89	98	38	27	76	87	86	83	—	—	
91	102	84	92	39	29	78	91	87	84	—	—	
83	96	89	95	40	25	76	92	70	95	—	—	
79	92	81	90	41	26	77	91	67	83	—	—	
90	103	90	97	41	27	77	90	72	89	—	—	
85	97	85	94	38	25	80	94	74	84	—	—	
86	100	90	96	42	28	76	89	70	81	—	—	
90	103	90	95	40	25	77	90	67	100	—	—	
92	99	85	102	30	20	150	100	70	100	—	—	MATRIX
90	95	95	121	20	20	65	70	50	50	—	—	
83	92	82	98	35	25	70	90	80	70	—	—	
72	76	81	110	43	28	79	87	83	59	—	—	
69	72	82	113	D	—	—	—	—	—	—	—	D = surr OL out
73	76	72	97	D	—	—	—	—	—	—	—	
80	90	79	95	D	—	—	—	—	—	—	—	DMC#1, no tail, deg OK T-2609 I-1358
												Benzoic Acid + 2,4-Dinitrophenol + Pentachlorophenol isol from the std [illegible]
102	113	99	108	48	34	87	101	94	103	—	—	

Date:

NO. _____

Page 2

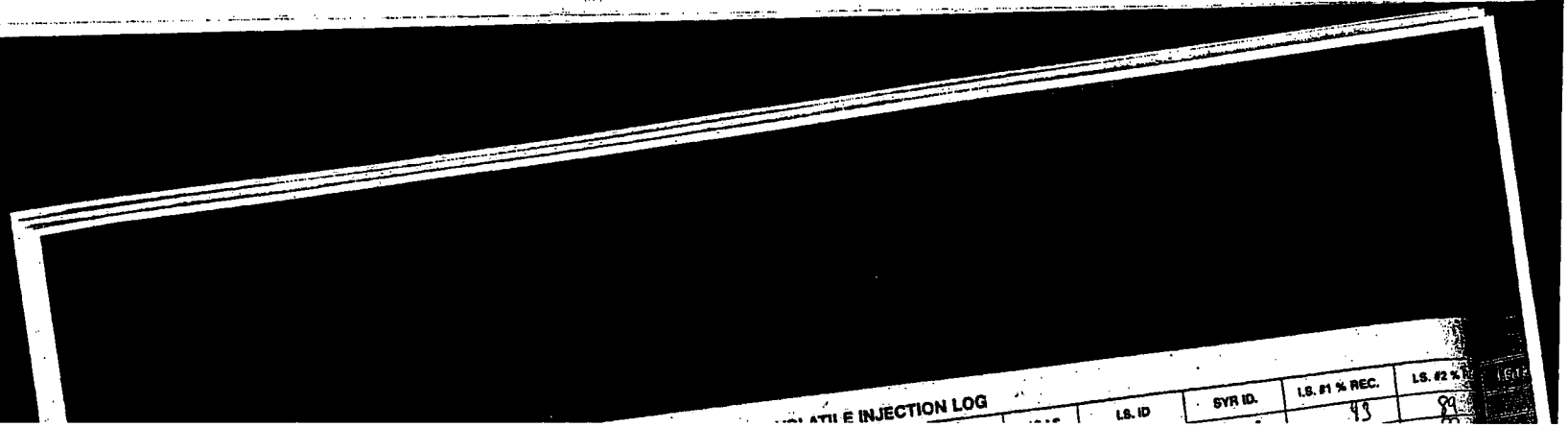
000089

DA	TIME	ANALYST	FRN	SAMPLE ID	VIAL #	JOB #	INJ VOL	F.V	DF	NG I.S.	I.S. ID	SYR ID.	I.S. #1 % REC.	I.S. #2 % REC.
10/21/03	1143	DH	X58015	SBLK32	AW30014 204	AD03 A00 9854	2.0	1.0	1	40	SC16-19	013-S		89
	1217		X58016	MSB	242	9834/06/SD A079			1				104	104
	1251		X58017	MSBD	43				1				92	92
	1324		X58018	SBLK33	44				1				108	100
	1358		X58019	A3983401RE	41	9824			1				91	86
	1432		X58020	A3980601RE	45	9806			1				105	99
	1506		X58021	02RE	46				1				114	108
	1539		X58022	03RE	276				1				103	98
	1613		X58023	04RE	47				10				108	103
	1647		X58024	06RE	48				5				107	100
	1721		X58025	07RE	49				1				95	90
	1754		X58026	A3985001RE	50	9850			50				104	100
	1828		X58027	03RE	51				1				105	97
	1902		X58028	04RE	52				1				105	100
	1935		X58029	05RE	53				10				92	91
	2009		X58030	06RE	54				1				102	94
	2042		X58031	A3A08401	256	A084			10				101	95
	2116		X58032	A3A00701	197	A007			1				120	114
	2150		X58033	02	98				1				99	93
	2223		X58034	03	99				1				108	103
	2257		X58035	04	200				1				106	100
	2330		X58036	05	01				1				124	120
10/22/03	0004		X58037	06	02				1				113	107
	0037		X58038	A3A06901	05	A069			1				102	97
	0111		X58039	A3998401	01	9984			1				116	108
	0144		X58040	01MS	07				1				117	111
	0218		X58041	01SD	08				1				114	108
	0251		X58042	A3A05301	09	A053			5				97	91

SEVERN TRENT LABORATORIES, INC.

000090

Reviewed By _____ NO. _____ Page



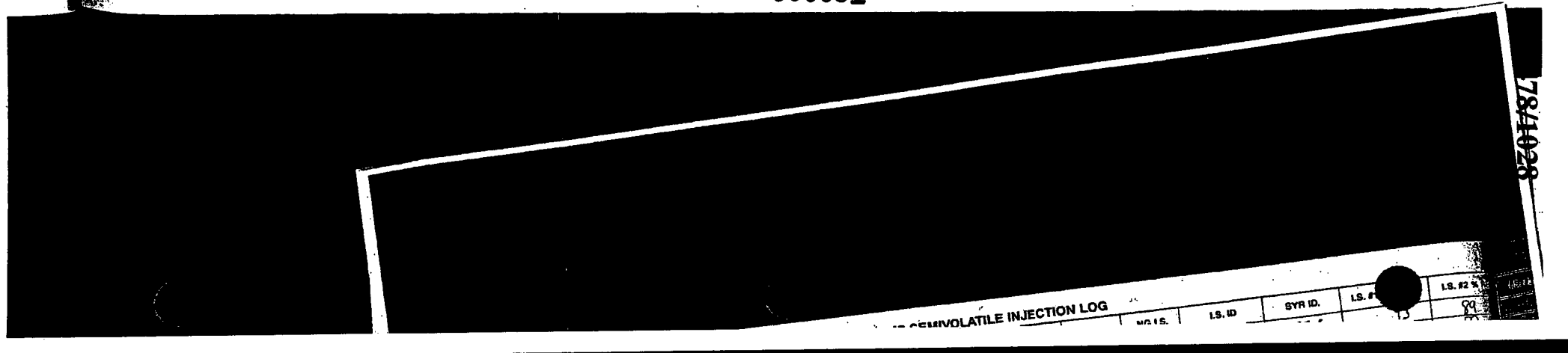
#2 % REC.	I.S. #3 % REC.	I.S. #4 % REC.	I.S. #5 % REC.	I.S. #6 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	S.S. #5 % REC.	S.S. #6 % REC.	S.S. #7 % REC.	S.S. #8 % REC.	COMMENTS
89	86	96	90	97	53	34	88	102	75	102			
104	101	112	101	109	42	30	78	88	89	97			
92	90	97	89	95	36	26	89	67	64	75			
100	102	112	103	108	46	31	82	87	73	95			
86	84	96	90	94	38	25	77	91	73	94			
99	101	100	87	109	44	30	84	97	105	83			
108	108	113	108	117	38	27	74	87	94	83			
98	99	104	95	105	38	27	70	83	92	88			
103	102	107	99	104	30	30	90	110	90	90			
100	102	105	98	104	45	25	90	105	100	90			
90	89	97	92	96	43	28	83	98	90	100			
100	101	106	95	102	D					1			D = sum of col
97	97	108	103	105	38	25	73	84	74	80			
100	100	106	97	102	45	30	85	94	93	78			
77	77	79	84	117	80	70	100	100	80	50			
94	92	100	95	101	32	21	69	83	80	97			
95	98	102	90	110	30	30	70	100	90	100			
114	111	118	104	124	49	34	75	90	94	72			
93	91	100	94	103	49	33	83	96	89	92			
103	103	107	102	112	48	33	81	94	100	90			
100	99	107	99	110	45	29	80	90	79	91			
110	112	115	103	122	49	33	85	101	97	93			
107	106	114	104	117	44	29	78	87	71	92			
97	97	107	96	107	53	37	85	95	89	89			
108	108	112	99	118	32	24	73	85	77	73			
111	108	120	99	122	31	24	63	74	77	71			
98	104	114	94	121	34	25	74	87	87	80			
91	90	97	86	100	30	20	80	100	70	105			s/r- cancelled

Page

Date _____

000091

NO. _____ Page 2



78410028

METHOD 608 DATA

QC SUMMARY

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

GC Column(1): RTXCLPI ID: 0.53 (mm)

	Client Sample ID	DCBP %REC	#	TCMX %REC	#							TOT OUT
1	FB101303	100		68								0
2	FB101403	86		66								0
3	FB101503	112		100								0
4	GEI-10G	0	D	0	D							0
5	GEI-3G	101		197	*							1
6	GEI-5G	0	D	0	D							0
7	GEI-6G	0	*	590	*							2
8	GEI-6S	2	*	1020	*							2
9	Matrix Spike Blank	128		64								0
10	Matrix Spike Blank	164	*	82								1
11	Method Blank	125		80								0
12	Method Blank	112		74								0
13	W-5R	66		74								0
14	W-5R	84		101								0
15	W-5R	70		78								0
16	WE-10R	145	*	90								1
17	WE-10S	104		92								0
18	WE-10S	83		88								0
19	WE-10S	104		96								0
20	WE-5S	0	D	0	D							0
21	WE-6R	0	D	0	D							0
22	WE-7R	100		86								0
23	WE-7S	0	D	0	D							0

QC LIMITS

(DCBP) = Decachlorobiphenyl (30-135)
(TCMX) = Tetrachloro-m-xylene (22-119)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.	+ =
alpha-BHC	0.0458	0.00430	0.0389	75	49 - 120	
Heptachlor	0.0458	0	0.0467	102	17 - 120	
Aldrin	0.0458	0	0.0417	91	19 - 120	
beta-BHC	0.0458	0	0.0384	84	58 - 120	
gamma-BHC (Lindane)	0.0458	0	0.0435	95	50 - 120	
delta-BHC	0.0458	0.00410	0.0417	82	56 - 120	
Dieldrin	0.0458	0	0.0412	90	55 - 125	
Endrin	0.0458	0	0.0490	107	53 - 127	
4,4'-DDD	0.0458	0	0.0458	100	57 - 130	
4,4'-DDT	0.0458	0.00670	0.0436	80	52 - 121	
4,4'-DDE	0.0458	0	0.0460	100	33 - 126	
Endosulfan I	0.0458	0	0.0472	103	44 - 124	
Endosulfan II	0.0458	0	0.0431	94	60 - 124	
Endrin aldehyde	0.0458	0	0.0355	77	59 - 122	
Endosulfan Sulfate	0.0458	0	0.0447	98	52 - 134	
Heptachlor epoxide	0.0458	0	0.0400	87	53 - 120	
Methoxychlor	0.0458	0	0.0593	129 *	50 - 127	

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	+ =
alpha-BHC	0.0458	0.0331	63	17	35	49 - 120	
Heptachlor	0.0458	0.0361	79	25	35	17 - 120	
Aldrin	0.0458	0.0289	63	36 *	35	19 - 120	
beta-BHC	0.0458	0.0343	75	11	35	58 - 120	
gamma-BHC (Lindane)	0.0458	0.0376	82	15	35	50 - 120	
delta-BHC	0.0458	0.0370	72	13	35	56 - 120	
Dieldrin	0.0458	0.0363	79	13	35	55 - 125	
Endrin	0.0458	0.0406	88	19	35	53 - 127	
4,4'-DDD	0.0458	0.0361	79	23	35	57 - 130	
4,4'-DDT	0.0458	0.0392	71	12	35	52 - 121	
4,4'-DDE	0.0458	0.0392	86	15	35	33 - 126	
Endosulfan I	0.0458	0.0411	90	13	35	44 - 124	
Endosulfan II	0.0458	0.0362	79	17	35	60 - 124	
Endrin aldehyde	0.0458	0.0331	72	7	35	59 - 122	
Endosulfan Sulfate	0.0458	0.0392	86	13	35	52 - 134	
Heptachlor epoxide	0.0458	0.0342	74	16	35	53 - 120	
Methoxychlor	0.0458	0.0515	112	14	35	50 - 127	

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3997803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: W-5R

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 17 outside limits
Spike recovery: 1 out of 34 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3A00703

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: WE-10S

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.	+ =
alpha-BHC	0.0952	0	0.0841	88	49 - 120	
Heptachlor	0.0952	0	0.0773	81	17 - 120	
Aldrin	0.0952	0	0.0681	72	19 - 120	
beta-BHC	0.0952	0	0.0845	89	58 - 120	
gamma-BHC (Lindane)	0.0952	0	0.0859	90	50 - 120	
delta-BHC	0.0952	0.00440	0.0781	77	56 - 120	
Dieldrin	0.0952	0	0.0904	95	55 - 125	
Endrin	0.0952	0	0.103	108	53 - 127	
4,4'-DDD	0.0952	0	0.0933	98	57 - 130	
4,4'-DDT	0.0952	0	0.101	106	52 - 121	
4,4'-DDE	0.0952	0	0.0880	92	33 - 126	
Endosulfan I	0.0952	0	0.0876	92	44 - 124	
Endosulfan II	0.0952	0	0.107	113	60 - 124	
Endrin aldehyde	0.0952	0	0.0619	65	59 - 122	
Endosulfan Sulfate	0.0952	0	0.0944	99	52 - 134	
Heptachlor epoxide	0.0952	0	0.0897	94	53 - 120	
Methoxychlor	0.0952	0	0.112	118	50 - 127	

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	+ =
alpha-BHC	0.0952	0.0899	94	6	35	49 - 120	
Heptachlor	0.0952	0.0861	90	10	35	17 - 120	
Aldrin	0.0952	0.0782	82	13	35	19 - 120	
beta-BHC	0.0952	0.0908	95	6	35	58 - 120	
gamma-BHC (Lindane)	0.0952	0.0920	97	7	35	50 - 120	
delta-BHC	0.0952	0.0821	82	6	35	56 - 120	
Dieldrin	0.0952	0.0982	103	8	35	55 - 125	
Endrin	0.0952	0.110	116	7	35	53 - 127	
4,4'-DDD	0.0952	0.100	106	8	35	57 - 130	
4,4'-DDT	0.0952	0.112	118	11	35	52 - 121	
4,4'-DDE	0.0952	0.0965	101	9	35	33 - 126	
Endosulfan I	0.0952	0.0948	100	8	35	44 - 124	
Endosulfan II	0.0952	0.111	117	3	35	60 - 124	
Endrin aldehyde	0.0952	0.0712	75	14	35	59 - 122	
Endosulfan Sulfate	0.0952	0.0998	105	6	35	52 - 134	
Heptachlor epoxide	0.0952	0.0961	101	7	35	53 - 120	
Methoxychlor	0.0952	0.125	132 *	11	35	50 - 127	

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3A00703

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: WE-10S

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike recovery: 1 out of 34 outside limits

Comments: _____

_____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182502

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+ =
alpha-BHC	0.0500	0.0364	73	49 - 120	
Heptachlor	0.0500	0.0334	67	17 - 120	
Aldrin	0.0500	0.0223	45	19 - 120	
beta-BHC	0.0500	0.0409	82	58 - 120	
gamma-BHC (Lindane)	0.0500	0.0368	74	50 - 120	
beta-BHC	0.0500	0.0409	82	58 - 120	
gamma-BHC (Lindane)	0.0500	0.0368	74	50 - 120	
delta-BHC	0.0500	0.0367	73	56 - 120	
Dieldrin	0.0500	0.0345	69	55 - 125	
Endrin	0.0500	0.0449	90	53 - 127	
4,4'-DDD	0.0500	0.0486	97	57 - 130	
4,4'-DDT	0.0500	0.0435	87	52 - 121	
4,4'-DDE	0.0500	0.0404	81	33 - 126	
Endosulfan I	0.0500	0.0407	81	44 - 124	
Endosulfan II	0.0500	0.0384	77	60 - 124	
Endrin aldehyde	0.0500	0.0581	116	59 - 122	
Endosulfan Sulfate	0.0500	0.0433	87	52 - 134	
Heptachlor epoxide	0.0500	0.0409	82	53 - 120	
Methoxychlor	0.0500	0.0471	94	50 - 127	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 19 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1188802

Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.	+
alpha-BHC	0.0500	0.0513	103		49 - 120	
Heptachlor	0.0500	0.0366	73		17 - 120	
Aldrin	0.0500	0.0285	57		19 - 120	
beta-BHC	0.0500	0.0549	110		58 - 120	
gamma-BHC (Lindane)	0.0500	0.0532	106		50 - 120	
delta-BHC	0.0500	0.0512	102		56 - 120	
Dieldrin	0.0500	0.0537	107		55 - 125	
Endrin	0.0500	0.0592	118		53 - 127	
4,4'-DDD	0.0500	0.0544	109		57 - 130	
4,4'-DDT	0.0500	0.0574	115		52 - 121	
4,4'-DDE	0.0500	0.0466	93		33 - 126	
Endosulfan I	0.0500	0.0524	105		44 - 124	
Endosulfan II	0.0500	0.0552	110		60 - 124	
Endrin aldehyde	0.0500	0.0419	84		59 - 122	
Endosulfan Sulfate	0.0500	0.0554	111		52 - 134	
Heptachlor epoxide	0.0500	0.0525	105		53 - 120	
Methoxychlor	0.0500	0.0666	133	*	50 - 127	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 1 out of 17 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1182502 Lab File ID: RA29392.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): N Date Extracted: 10/17/2003

Date Analyzed (1): 10/23/2003 Date Analyzed (2): _____

Time Analyzed (1): 22:26 Time Analyzed (2): _____

Instrument ID (1): HP5890-18 Instrument ID (2): _____

GC Column (1): RTXCLPI Dia: 0.53(mm) GC Column (2): _____ Dia: ____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	FB101303	A3990005	10/25/2003	
2	FB101403	A3997804	10/25/2003	
3	GEI-3G	A3990001	10/27/2003	
4	GEI-5G	A3990002	10/25/2003	
5	GEI-6G	A3997801	10/27/2003	
6	GEI-6S	A3997802	10/25/2003	
7	Matrix Spike Blank	A3B1182501	10/23/2003	
8	W-5R	A3997803	10/25/2003	
9	W-5R	A3997803MS	10/25/2003	
10	W-5R	A3997803SD	10/25/2003	
11	WE-5S	A3990003	10/25/2003	
12	WE-6R	A3990004	10/25/2003	

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1188802 Lab File ID: 9B29254.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): N Date Extracted: 10/18/2003

Date Analyzed (1): 10/29/2003 Date Analyzed (2): _____

Time Analyzed (1): 08:13 Time Analyzed (2): _____

Instrument ID (1): HP5890-9 Instrument ID (2): _____

GC Column (1): RTXCLPII Dia: 0.53(mm) GC Column (2): _____ Dia: ____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	FB101503	A3A00706	10/29/2003	
2	GEI-10G	A3A00701	10/29/2003	
3	Matrix Spike Blank	A3B1188801	10/29/2003	
4	WE-10R	A3A00702	10/29/2003	
5	WE-10S	A3A00703	10/29/2003	
6	WE-10S	A3A00703MS	10/29/2003	
7	WE-10S	A3A00703SD	10/29/2003	
8	WE-7R	A3A00704	10/29/2003	
9	WE-7S	A3A00705	10/29/2003	

Comments: _____

SAMPLE DATA

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990005

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: RA29435.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997804

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29446.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: FB101503

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00706

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: 9B29252.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990001

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: RA29495.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0051	
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0059	
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.012	
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990002

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: RA29432.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.47	U
319-84-6	alpha-BHC	0.47	U
319-85-7	beta-BHC	0.47	U
58-89-9	gamma-BHC (Lindane)	0.47	U
319-86-8	delta-BHC	0.47	U
57-74-9	Chlordane	1.3	U
72-54-8	4,4'-DDD	0.47	U
72-55-9	4,4'-DDE	0.47	U
50-29-3	4,4'-DDT	0.47	U
60-57-1	Dieldrin	0.47	U
959-98-8	Endosulfan I	0.47	U
33213-65-9	Endosulfan II	0.47	U
1031-07-8	Endosulfan Sulfate	0.47	U
72-20-8	Endrin	0.47	U
7421-93-4	Endrin aldehyde	0.47	U
76-44-8	Heptachlor	0.47	U
1024-57-3	Heptachlor epoxide	0.47	U
8001-35-2	Toxaphene	9.4	U
12674-11-2	PCB 1016	4.7	U
11104-28-2	PCB 1221	4.7	U
11141-16-5	PCB 1232	4.7	U
53469-21-9	PCB 1242	4.7	U
12672-29-6	PCB 1248	4.7	U
11097-69-1	PCB 1254	4.7	U
11096-82-5	PCB 1260	4.7	U
72-43-5	Methoxychlor	0.47	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997801

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29480.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.024	U
319-84-6	alpha-BHC	0.024	U
319-85-7	beta-BHC	0.024	U
58-89-9	gamma-BHC (Lindane)	0.024	U
319-86-8	delta-BHC	0.024	U
57-74-9	Chlordane	0.066	U
72-54-8	4,4'-DDD	0.024	U
72-55-9	4,4'-DDE	0.024	U
50-29-3	4,4'-DDT	0.024	U
60-57-1	Dieldrin	0.024	U
959-98-8	Endosulfan I	0.024	U
33213-65-9	Endosulfan II	0.024	U
1031-07-8	Endosulfan Sulfate	0.024	U
72-20-8	Endrin	0.024	U
7421-93-4	Endrin aldehyde	0.024	U
76-44-8	Heptachlor	0.024	U
1024-57-3	Heptachlor epoxide	0.024	U
8001-35-2	Toxaphene	0.47	U
12674-11-2	PCB 1016	0.24	U
11104-28-2	PCB 1221	0.24	U
11141-16-5	PCB 1232	0.24	U
53469-21-9	PCB 1242	0.24	U
12672-29-6	PCB 1248	0.24	U
11097-69-1	PCB 1254	0.24	U
11096-82-5	PCB 1260	0.24	U
72-43-5	Methoxychlor	0.024	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997802

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29442.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.019	U
319-84-6	alpha-BHC	0.019	U
319-85-7	beta-BHC	0.15	
58-89-9	gamma-BHC (Lindane)	0.019	U
319-86-8	delta-BHC	0.019	U
57-74-9	Chlordane	0.053	U
72-54-8	4,4'-DDD	0.019	U
72-55-9	4,4'-DDE	0.019	U
50-29-3	4,4'-DDT	0.019	U
60-57-1	Dieldrin	0.019	U
959-98-8	Endosulfan I	0.019	U
33213-65-9	Endosulfan II	0.019	U
1031-07-8	Endosulfan Sulfate	0.019	U
72-20-8	Endrin	0.019	U
7421-93-4	Endrin aldehyde	0.019	U
76-44-8	Heptachlor	0.019	U
1024-57-3	Heptachlor epoxide	0.019	U
8001-35-2	Toxaphene	0.38	U
12674-11-2	PCB 1016	0.19	U
11104-28-2	PCB 1221	0.19	U
11141-16-5	PCB 1232	0.19	U
53469-21-9	PCB 1242	0.19	U
12672-29-6	PCB 1248	0.19	U
11097-69-1	PCB 1254	0.19	U
11096-82-5	PCB 1260	0.19	U
72-43-5	Methoxychlor	0.019	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00701

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: 9B29258.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.24	U
319-84-6	alpha-BHC	0.24	U
319-85-7	beta-BHC	0.24	U
58-89-9	gamma-BHC (Lindane)	0.24	U
319-86-8	delta-BHC	0.24	U
57-74-9	Chlordane	0.67	U
72-54-8	4,4'-DDD	0.24	U
72-55-9	4,4'-DDE	0.24	U
50-29-3	4,4'-DDT	0.24	U
60-57-1	Dieldrin	0.24	U
959-98-8	Endosulfan I	0.24	U
33213-65-9	Endosulfan II	0.24	U
1031-07-8	Endosulfan Sulfate	0.24	U
72-20-8	Endrin	0.24	U
7421-93-4	Endrin aldehyde	0.24	U
76-44-8	Heptachlor	0.24	U
1024-57-3	Heptachlor epoxide	0.24	U
8001-35-2	Toxaphene	4.8	U
12674-11-2	PCB 1016	2.4	U
11104-28-2	PCB 1221	2.4	U
11141-16-5	PCB 1232	2.4	U
53469-21-9	PCB 1242	2.4	U
12672-29-6	PCB 1248	2.4	U
11097-69-1	PCB 1254	2.4	U
11096-82-5	PCB 1260	2.4	U
72-43-5	Methoxychlor	0.24	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: RA29443.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0067	
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: WE-5S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990003

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: RA29433.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.047	U
319-84-6	alpha-BHC	0.047	U
319-85-7	beta-BHC	0.047	U
58-89-9	gamma-BHC (Lindane)	0.047	U
319-86-8	delta-BHC	0.047	U
57-74-9	Chlordane	0.13	U
72-54-8	4,4'-DDD	0.047	U
72-55-9	4,4'-DDE	0.047	U
50-29-3	4,4'-DDT	0.047	U
60-57-1	Dieldrin	0.047	U
959-98-8	Endosulfan I	0.047	U
33213-65-9	Endosulfan II	0.047	U
1031-07-8	Endosulfan Sulfate	0.047	U
72-20-8	Endrin	0.047	U
7421-93-4	Endrin aldehyde	0.047	U
76-44-8	Heptachlor	0.047	U
1024-57-3	Heptachlor epoxide	0.047	U
8001-35-2	Toxaphene	0.94	U
12674-11-2	PCB 1016	0.47	U
11104-28-2	PCB 1221	0.47	U
11141-16-5	PCB 1232	0.47	U
53469-21-9	PCB 1242	0.47	U
12672-29-6	PCB 1248	0.47	U
11097-69-1	PCB 1254	0.47	U
11096-82-5	PCB 1260	0.47	U
72-43-5	Methoxychlor	0.047	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3990004

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: RA29434.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/13/2003 10/14/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.094	U
319-84-6	alpha-BHC	0.094	U
319-85-7	beta-BHC	0.094	U
58-89-9	gamma-BHC (Lindane)	0.094	U
319-86-8	delta-BHC	0.094	U
57-74-9	Chlordane	0.26	U
72-54-8	4,4'-DDD	0.094	U
72-55-9	4,4'-DDE	0.094	U
50-29-3	4,4'-DDT	0.094	U
60-57-1	Dieldrin	0.094	U
959-98-8	Endosulfan I	0.094	U
33213-65-9	Endosulfan II	0.094	U
1031-07-8	Endosulfan Sulfate	0.094	U
72-20-8	Endrin	0.094	U
7421-93-4	Endrin aldehyde	0.094	U
76-44-8	Heptachlor	0.094	U
1024-57-3	Heptachlor epoxide	0.094	U
8001-35-2	Toxaphene	1.9	U
12674-11-2	PCB 1016	0.94	U
11104-28-2	PCB 1221	0.94	U
11141-16-5	PCB 1232	0.94	U
53469-21-9	PCB 1242	0.94	U
12672-29-6	PCB 1248	0.94	U
11097-69-1	PCB 1254	0.94	U
11096-82-5	PCB 1260	0.94	U
72-43-5	Methoxychlor	0.094	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: WE-7R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00704

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: 9B29251.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

503/1028

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

WE-7S

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00705

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: 9B29262.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.24	U
319-84-6	alpha-BHC	0.24	U
319-85-7	beta-BHC	0.24	U
58-89-9	gamma-BHC (Lindane)	0.24	U
319-86-8	delta-BHC	0.24	U
57-74-9	Chlordane	0.67	U
72-54-8	4,4'-DDD	0.24	U
72-55-9	4,4'-DDE	0.24	U
50-29-3	4,4'-DDT	0.24	U
60-57-1	Dieldrin	0.24	U
959-98-8	Endosulfan I	0.24	U
33213-65-9	Endosulfan II	0.24	U
1031-07-8	Endosulfan Sulfate	0.24	U
72-20-8	Endrin	0.24	U
7421-93-4	Endrin aldehyde	0.24	U
76-44-8	Heptachlor	0.24	U
1024-57-3	Heptachlor epoxide	0.24	U
8001-35-2	Toxaphene	4.8	U
12674-11-2	PCB 1016	2.4	U
11104-28-2	PCB 1221	2.4	U
11141-16-5	PCB 1232	2.4	U
53469-21-9	PCB 1242	2.4	U
12672-29-6	PCB 1248	2.4	U
11097-69-1	PCB 1254	2.4	U
11096-82-5	PCB 1260	2.4	U
72-43-5	Methoxychlor	0.24	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00702

Sample wt/vol: 1045.00 (g/mL) ML Lab File ID: 9B29250.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00703

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 9B29259.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

STANDARDS

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

	LEVEL (ng)					
COMPOUND	0.005	0.01	0.05	0.10	0.15	R^2
	Area					
alpha-BHC	41690	84189	522121	1095268	1675202	0.999739
gamma-BHC	41724	83979	503060	1019218	1543233	0.999963
beta-BHC	28154	54182	278757	542197	796176	0.999627
delta-BHC	36585	74207	462163	965924	1479423	0.999749
Heptachlor	54235	104860	542753	1056655	1575836	0.999870
Aldrin	38018	76869	441102	892971	1363524	0.999895
Hept. epoxide	45524	88574	453708	879939	1288064	0.999524
gamma chlordane	45310	92535	477749	931024	1373219	0.999707
alpha chlordane	47458	91820	471064	912160	1341202	0.999617
4,4'-DDE	29893	59844	372403	775857	1189196	0.999750
Endosulfan I	43183	83590	435791	854246	1264070	0.999815
Dieldrin	36834	73571	410561	820520	1235448	0.999980
Endrin	34369	68324	384461	770261	1164328	0.999974
4,4'-DDD	25140	51690	316311	654673	1005844	0.999755
Endosulfan II	37281	74034	383492	751023	1113925	0.999842
4,4'-DDT	30921	62411	358818	731380	1106588	0.999962
Endrin aldehyde	30706	61564	318624	620272	913493	0.999672
methoxychlor	21070	42769	234438	450644	662934	0.999412
Endo. Sulfate	32468	64438	345048	674335	1012435	0.999905
Endrin ketone	35259	71027	397916	788607	1180443	0.999933

6J

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
alpha-BHC	11.27	11.27	11.28	11.27	0.05	11.22	11.32
gamma-BHC	12.33	12.33	12.34	12.33	0.05	12.28	12.38
beta-BHC	12.65	12.65	12.65	12.65	0.05	12.60	12.70
delta-BHC	13.17	13.17	13.17	13.17	0.05	13.12	13.22
Heptachlor	13.78	13.78	13.78	13.78	0.05	13.73	13.83
Aldrin	14.61	14.61	14.61	14.61	0.05	14.56	14.66
Hept. epoxide	16.21	16.20	16.20	16.20	0.05	16.15	16.25
gamma chlordane	16.53	16.52	16.52	16.52	0.05	16.47	16.57
alpha chlordane	16.86	16.85	16.85	16.85	0.05	16.80	16.90
4,4'-DDE	17.07	17.07	17.07	17.07	0.05	17.02	17.12
Endosulfan I	17.17	17.17	17.17	17.17	0.05	17.12	17.22
Dieldrin	17.76	17.76	17.76	17.76	0.05	17.71	17.81
Endrin	18.31	18.31	18.31	18.31	0.05	18.26	18.36
4,4'-DDD	18.48	18.47	18.47	18.47	0.05	18.42	18.52
Endosulfan II	18.84	18.84	18.83	18.84	0.05	18.79	18.89
4,4'-DDT	19.13	19.12	19.12	19.12	0.05	19.07	19.17
Endrin aldehyde	19.81	19.80	19.80	19.80	0.05	19.75	19.85
methoxychlor	20.24	20.22	20.22	20.23	0.05	20.18	20.28
Endo. Sulfate	20.81	20.81	20.81	20.81	0.05	20.76	20.86
Endrin ketone	21.49	21.48	21.48	21.48	0.05	21.43	21.53

FORM VIA Pest

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

	LEVEL (ng)					
COMPOUND	0.005	0.010	0.050	0.100	0.150	R^2
	Area					
Tetrachloro-m-xylene	40172	81097	444123	865361	1262447	0.999345
Decachlorobiphenyl	41269	82371	410448	755641	1076102	0.997415

6J

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tetrachloro-m-xylene	9.12	9.11	9.12	9.12	0.05	9.07	9.17
Decachlorobiphenyl	24.11	24.11	24.11	24.11	0.05	24.06	24.16

6F

PESTICIDE INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 07/10/03 to 07/10/03

	LEVEL (ng)					
COMPOUND	0.05	0.100	0.500	1.000	1.500	R^2
	Area					
Toxaphene	48528	111644	723682	1426758	2143211	0.999799

6J

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 07/10/03 to 07/10/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Toxaphene	18.07	18.07	18.07	18.07	0.07	18.00	18.14

6F

PESTICIDE INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 04/22/03 to 04/23/03

	LEVEL (ng)					
COMPOUND	0.05	0.100	0.500	1.000	1.500	R^2
	Area					
Tech Chlordane	218635	408752	2019461	3644702	4990660	0.993688

6J

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 04/22/03 to 04/23/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tech Chlordane	12.42	12.42	12.42	12.42	0.07	12.35	12.49

6J

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

CONFIRMATION COLUMN

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 B Date(s) Analyzed:

Column: RTX-CLP II 10/04/03 to 10/04/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
alpha-BHC	12.92	12.92	12.92	12.92	0.05	12.87	12.97
gamma-BHC	13.99	13.99	13.99	13.99	0.05	13.94	14.04
beta-BHC	14.26	14.25	14.25	14.25	0.05	14.20	14.30
delta-BHC	15.07	15.06	15.06	15.06	0.05	15.01	15.11
heptachlor	15.22	15.22	15.22	15.22	0.05	15.17	15.27
Aldrin	16.08	16.08	16.08	16.08	0.05	16.03	16.13
Hept. epoxide	17.51	17.51	17.51	17.51	0.05	17.46	17.56
gamma Chlordane	17.98	17.98	17.98	17.98	0.05	17.93	18.03
alpha Chlordane	18.32	18.32	18.32	18.32	0.05	18.27	18.37
Endosulfan I	18.47	18.47	18.47	18.47	0.05	18.42	18.52
4,4'-DDE	18.69	18.69	18.69	18.69	0.05	18.64	18.74
Dieldrin	19.11	19.11	19.11	19.11	0.05	19.06	19.16
Endrin	19.83	19.83	19.83	19.83	0.05	19.78	19.88
4,4'-DDD	20.03	20.02	20.02	20.02	0.05	19.97	20.07
Endosulfan II	20.31	20.31	20.31	20.31	0.05	20.26	20.36
4,4'-DDT	20.74	20.74	20.74	20.74	0.05	20.69	20.79
Endrin aldehyde	21.07	21.07	21.07	21.07	0.05	21.02	21.12
Endo. Sulfate	21.74	21.74	21.74	21.74	0.05	21.69	21.79
methoxychlor	22.33	22.33	22.33	22.33	0.05	22.28	22.38
Endrin ketone	23.14	23.14	23.14	23.14	0.05	23.09	23.19

FORM VIA Pest

6J

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

CONFIRMATION COLUMN

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 B Date(s) Analyzed:

Column: RTX-CLP II 10/04/03 to 10/04/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tetrachloro-m-xylene	10.83	10.83	10.82	10.83	0.05	10.78	10.88
Decachlorobiphenyl	27.02	27.02	27.01	27.02	0.05	26.97	27.07

6J

CONFIRMATION COLUMN

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 B Date(s) Analyzed:

Column: RTX-CLP II 07/10/03 to 07/10/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Toxaphene	18.62	18.61	18.61	18.61	0.07	18.54	18.68

FORMATION
COLUMN

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 B Date(s) Analyzed:

Column: RTX-CLP II 04/22/03 to 04/23/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tech Chlordane	13.92	13.92	13.93	13.92	0.07	13.85	13.99

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

	LEVEL (ng)					
COMPOUND	0.005	0.01	0.05	0.10	0.15	R^2
	Area					
alpha-BHC	48429	94265	596161	1305347	1974722	0.999397
gamma-BHC	50443	96585	567215	1206501	1816257	0.999709
beta-BHC	34203	61505	290331	582599	852617	0.999790
delta-BHC	41476	80814	522217	1160719	1764793	0.999141
heptachlor	54630	98680	516210	1108146	1645437	0.999495
Aldrin	52149	97391	554298	1193580	1786183	0.999553
Hept. epoxide	58634	105244	515644	1085072	1618653	0.999679
gamma Chlordane	62012	110240	546425	1145352	1678692	0.999592
alpha Chlordane	61164	108827	533824	1107571	1619212	0.999629
Endosulfan I	54516	97303	490552	1021737	1497713	0.999648
4,4'-DDE	43050	81121	470817	1037351	1560010	0.999241
Dieldrin	51451	93808	511697	1098251	1644376	0.999544
Endrin	40720	74632	416587	898812	1341158	0.999501
4,4'-DDD	34282	64414	368326	809005	1220405	0.999249
Endosulfan II	54862	94773	451338	938175	1393431	0.999754
4,4'-DDT	42875	76608	399864	866145	1273808	0.999292
Endrin aldehyde	46952	85381	383768	780576	1106333	0.998756
Endo. Sulfate	44705	81598	416269	870075	1256473	0.999275
methoxychlor	22086	41008	202194	413351	577429	0.997792
Endrin ketone	52301	96841	500564	1043139	1529951	0.999663

6J

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
alpha-BHC	10.85	10.85	10.84	10.85	0.05	10.80	10.90
gamma-BHC	11.80	11.79	11.79	11.79	0.05	11.74	11.84
beta-BHC	12.05	12.04	12.03	12.04	0.05	11.99	12.09
delta-BHC	12.78	12.77	12.76	12.77	0.05	12.72	12.82
heptachlor	12.88	12.87	12.87	12.87	0.05	12.82	12.92
Aldrin	13.65	13.64	13.64	13.64	0.05	13.59	13.69
Hept. epoxide	15.00	14.99	14.98	14.99	0.05	14.94	15.04
gamma Chlordane	15.43	15.42	15.41	15.42	0.05	15.37	15.47
alpha Chlordane	15.76	15.75	15.74	15.75	0.05	15.70	15.80
Endosulfan I	15.88	15.87	15.86	15.87	0.05	15.82	15.92
4,4'-DDE	16.16	16.15	16.14	16.15	0.05	16.10	16.20
Dieldrin	16.49	16.48	16.48	16.48	0.05	16.43	16.53
Endrin	17.16	17.16	17.15	17.16	0.05	17.11	17.21
4,4'-DDD	17.42	17.41	17.40	17.41	0.05	17.36	17.46
Endosulfan II	17.63	17.63	17.62	17.63	0.05	17.58	17.68
4,4'-DDT	18.09	18.08	18.07	18.08	0.05	18.03	18.13
Endrin aldehyde	18.37	18.36	18.35	18.36	0.05	18.31	18.41
Endo. Sulfate	18.96	18.95	18.94	18.95	0.05	18.90	19.00
methoxychlor	19.58	19.57	19.56	19.57	0.05	19.52	19.62
Endrin ketone	20.13	20.12	20.11	20.12	0.05	20.07	20.17

FORM VIA Pest

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

	LEVEL (ng)					
COMPOUND	0.005	0.010	0.050	0.075	0.100	R^2
	Area					
Tetrachloro-m-xylene	44540	86920	462774	684127	918933	0.999916
Decachlorobiphenyl	57611	108788	496184	712141	940390	0.999509

6J

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tetrachloro-m-xylene	9.14	9.10	9.10	9.11	0.05	9.06	9.16
Decachlorobiphenyl	22.98	22.93	22.93	22.95	0.05	22.90	23.00

6F

PESTICIDE INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B Date(s) Analyzed:

Column: RTX-CLP II 10/10/03 to 10/10/03

	LEVEL (ng)					
COMPOUND	0.05	0.100	0.500	1.000	1.500	R^2
	Area					
Toxaphene	50611	94726	486893	999637	1579985	0.998639

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B Date(s) Analyzed:

Column: RTX-CLP II 10/10/03 to 10/10/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Toxaphene	17.63	17.63	17.63	17.63	0.07	17.56	17.70

PESTICIDE INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

	LEVEL (ng)					
COMPOUND	0.05	0.100	0.500	1.000	1.500	R^2
	Area					
Tech Chlordane	182625	362176	1901703	3916859	6099752	0.999283

6J

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tech Chlordane	15.47	15.47	15.47	15.47	0.07	15.40	15.54

6J

CONFIRMATION COLUMN

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 A Date(s) Analyzed:

Column: RTX-CLP I 10/09/03 to 10/09/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
alpha-BHC	10.58	10.57	10.56	10.57	0.05	10.52	10.62
gamma-BHC	11.43	11.42	11.41	11.42	0.05	11.37	11.47
beta-BHC	11.68	11.67	11.67	11.67	0.05	11.62	11.72
delta-BHC	12.14	12.12	12.12	12.13	0.05	12.08	12.18
Heptachlor	12.66	12.66	12.66	12.66	0.05	12.61	12.71
Aldrin	13.40	13.40	13.40	13.40	0.05	13.35	13.45
Hept. epoxide	14.83	14.82	14.82	14.82	0.05	14.77	14.87
gamma chlordane	15.12	15.12	15.11	15.12	0.05	15.07	15.17
alpha chlordane	15.43	15.42	15.42	15.42	0.05	15.37	15.47
4,4'-DDE	15.62	15.62	15.61	15.62	0.05	15.57	15.67
Endosulfan I	15.72	15.72	15.71	15.72	0.05	15.67	15.77
Dieldrin	16.27	16.26	16.26	16.26	0.05	16.21	16.31
Endrin	16.78	16.78	16.77	16.78	0.05	16.73	16.83
4,4'-DDD	16.94	16.93	16.91	16.93	0.05	16.88	16.98
Endosulfan II	17.27	17.27	17.26	17.27	0.05	17.22	17.32
4,4'-DDT	17.55	17.54	17.53	17.54	0.05	17.49	17.59
Endrin aldehyde	18.18	18.17	18.16	18.17	0.05	18.12	18.22
methoxychlor	18.61	18.60	18.58	18.60	0.05	18.55	18.65
Endo. Sulfate	19.11	19.11	19.10	19.11	0.05	19.06	19.16
Endrin ketone	19.74	19.73	19.72	19.73	0.05	19.68	19.78

FORM VIA Pest

6J

CONFIRMATION COLUMN

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 A Date(s) Analyzed:

Column: RTX-CLP I 10/09/03 to 10/09/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tetrachloro-m-xylene	9.03	9.01	9.01	9.02	0.05	8.97	9.07
Decachlorobiphenyl	21.92	21.95	21.95	21.94	0.05	21.89	21.99

6J

CONFIRMATION COLUMN

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 A Date(s) Analyzed:

Column: RTX-CLP I 10/10/03 to 10/10/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Toxaphene	17.23	17.23	17.23	17.23	0.07	17.16	17.30

6J

CONFIRMATION COLUMN

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 A Date(s) Analyzed:

Column: RTX-CLP I 10/09/03 to 10/09/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tech Chlordane	12.66	12.66	12.66	12.66	0.07	12.59	12.73

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MR Date/Time Analyzed: 10/23/03 18:03

FILE ID: H:\TURBO4\5890-18\RA29385.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.47	11.42	11.52	0.0440	0.0500	-12.1
gamma-BHC	12.53	12.48	12.58	0.0443	0.0500	-11.5
beta-BHC	12.85	12.80	12.90	0.0473	0.0500	-5.4
delta-BHC	13.38	13.33	13.43	0.0433	0.0500	-13.4
Heptachlor	13.99	13.94	14.04	0.0471	0.0500	-5.9
Aldrin	14.83	14.78	14.88	0.0450	0.0500	-10.0
Hept. epoxide	16.43	16.38	16.48	0.0470	0.0500	-6.0
gamma chlordane	16.76	16.71	16.81	0.0468	0.0500	-6.4
alpha chlordane	17.09	17.04	17.14	0.0473	0.0500	-5.5
4,4'-DDE	17.30	17.25	17.35	0.0445	0.0500	-11.1
Endosulfan I	17.41	17.36	17.46	0.0473	0.0500	-5.4
Dieldrin	18.00	17.95	18.05	0.0465	0.0500	-6.9
Endrin	18.56	18.51	18.61	0.0461	0.0500	-7.9
4,4'-DDD	18.72	18.67	18.77	0.0452	0.0500	-9.6
Endosulfan II	19.09	19.04	19.14	0.0475	0.0500	-5.0
4,4'-DDT	19.37	19.32	19.42	0.0456	0.0500	-8.7
Endrin aldehyde	20.06	20.01	20.11	0.0481	0.0500	-3.8
methoxychlor	20.48	20.43	20.53	0.0487	0.0500	-2.6
Endo. Sulfate	21.07	21.02	21.12	0.0473	0.0500	-5.5
Endrin ketone	21.78	21.73	21.83	0.0523	0.0500	4.6

* Value >15.0% Difference

Average %D = 7.4

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/23/03 18:40

FILE ID: H:\TURBO4\5890-18\RA29386.rst

		DAILY WINDOW		Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.29	9.24	9.34	0.0474	0.0500	-5.2
Decachlorobiphenyl	24.45	24.40	24.50	0.0542	0.0500	8.3

* Value >15.0% Difference

Average %D = 6.7

7C

PESTICIDE BREAKDOWN SUMMARY

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

Ref ID: ICM1KD Date/Time Analyzed: 10/23/03 19:18

File ID: H:\TURBO4\5890-18\RA29387.RAW

COMPOUND	Area	% Breakdown
4,4'-DDE	0	
4,4'-DDD	0	
4,4'-DDT	644946	**0.0**
Endrin aldehyde	0	
Endrin ketone	10513	
Endrin	332051	**3.1**

*** Value >15.0% DEGRADATION**

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MR Date/Time Analyzed: 10/24/03 02:11

FILE ID: H:\TURBO4\5890-18\RA29398.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.46	11.41	11.51	0.0469	0.0500	-6.2
gamma-BHC	12.53	12.48	12.58	0.0470	0.0500	-6.1
beta-BHC	12.85	12.80	12.90	0.0501	0.0500	0.3
delta-BHC	13.38	13.33	13.43	0.0447	0.0500	-10.5
Heptachlor	13.99	13.94	14.04	0.0482	0.0500	-3.6
Aldrin	14.82	14.77	14.87	0.0482	0.0500	-3.6
Hept. epoxide	16.43	16.38	16.48	0.0496	0.0500	-0.8
gamma chlordane	16.75	16.70	16.80	0.0500	0.0500	0.1
alpha chlordane	17.08	17.03	17.13	0.0498	0.0500	-0.3
4,4'-DDE	17.30	17.25	17.35	0.0475	0.0500	-5.0
Endosulfan I	17.40	17.35	17.45	0.0508	0.0500	1.6
Dieldrin	17.99	17.94	18.04	0.0495	0.0500	-1.0
Endrin	18.55	18.50	18.60	0.0494	0.0500	-1.1
4,4'-DDD	18.71	18.66	18.76	0.0484	0.0500	-3.2
Endosulfan II	19.08	19.03	19.13	0.0510	0.0500	2.0
4,4'-DDT	19.36	19.31	19.41	0.0485	0.0500	-3.1
Endrin aldehyde	20.05	20.00	20.10	0.0481	0.0500	-3.7
methoxychlor	20.47	20.42	20.52	0.0511	0.0500	2.3
Endo. Sulfate	21.06	21.01	21.11	0.0487	0.0500	-2.7
Endrin ketone	21.77	21.72	21.82	0.0501	0.0500	0.2

* Value >15.0% Difference

Average %D = 2.9

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/24/03 02:49

FILE ID: H:\TURBO4\5890-18\RA29399.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.29	9.24	9.34	0.0483	0.0500	-3.3
Decachlorobiphenyl	24.44	24.39	24.49	0.0560	0.0500	12.0

* Value >15.0% Difference

Average %D = 7.7

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MR Date/Time Analyzed: 10/24/03 19:48

FILE ID: H:\TURBO4\5890-18\RA29423.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.46	11.41	11.51	0.0453	0.0500	-9.4
gamma-BHC	12.53	12.48	12.58	0.0461	0.0500	-7.8
beta-BHC	12.85	12.80	12.90	0.0481	0.0500	-3.8
delta-BHC	13.37	13.32	13.42	0.0443	0.0500	-11.5
Heptachlor	13.98	13.93	14.03	0.0490	0.0500	-2.0
Aldrin	14.82	14.77	14.87	0.0458	0.0500	-8.3
Hept. epoxide	16.42	16.37	16.47	0.0480	0.0500	-4.0
gamma chlordane	16.74	16.69	16.79	0.0466	0.0500	-6.9
alpha chlordane	17.08	17.03	17.13	0.0469	0.0500	-6.2
4,4'-DDE	17.29	17.24	17.34	0.0443	0.0500	-11.4
Endosulfan I	17.40	17.35	17.45	0.0467	0.0500	-6.5
Dieldrin	17.99	17.94	18.04	0.0466	0.0500	-6.9
Endrin	18.54	18.49	18.59	0.0454	0.0500	-9.3
4,4'-DDD	18.71	18.66	18.76	0.0446	0.0500	-10.9
Endosulfan II	19.08	19.03	19.13	0.0468	0.0500	-6.4
4,4'-DDT	19.36	19.31	19.41	0.0457	0.0500	-8.5
Endrin aldehyde	20.05	20.00	20.10	0.0469	0.0500	-6.3
methoxychlor	20.47	20.42	20.52	0.0492	0.0500	-1.6
Endo. Sulfate	21.06	21.01	21.11	0.0470	0.0500	-6.0
Endrin ketone	21.77	21.72	21.82	0.0477	0.0500	-4.7

* Value >15.0% Difference

Average %D = **6.9**

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/24/03 20:26

FILE ID: H:\TURBO4\5890-18\RA29424.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.29	9.24	9.34	0.0491	0.0500	-1.8
Decachlorobiphenyl	24.45	24.40	24.50	0.0559	0.0500	11.8

* Value >15.0% Difference

Average %D = **6.8**

7C

PESTICIDE BREAKDOWN SUMMARY

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

Ref ID: ICM1KD Date/Time Analyzed: 10/25/03 4:34

File ID: H:\TURBO4\5890-18\RA29437.RAW

COMPOUND	Area	% Breakdown
4,4'-DDE	945	
4,4'-DDD	0	
4,4'-DDT	670844	**0.1**
Endrin aldehyde	0	
Endrin ketone	11081	
Endrin	339053	**3.2**

*** Value >15.0% DEGRADATION**

FORM XI Pest

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS 0.05 Date/Time Analyzed: 10/25/03 05:12

FILE ID: H:\TURBO4\5890-18\RA29438.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.46	11.41	11.51	0.0464	0.0500	-7.3
gamma-BHC	12.52	12.47	12.57	0.0477	0.0500	-4.6
beta-BHC	12.84	12.79	12.89	0.0505	0.0500	1.0
delta-BHC	13.37	13.32	13.42	0.0448	0.0500	-10.5
Heptachlor	13.98	13.93	14.03	0.0509	0.0500	1.8
Aldrin	14.82	14.77	14.87	0.0480	0.0500	-4.1
Hept. epoxide	16.42	16.37	16.47	0.0505	0.0500	1.0
gamma chlordane	16.74	16.69	16.79	0.0497	0.0500	-0.6
alpha chlordane	17.07	17.02	17.12	0.0503	0.0500	0.5
4,4'-DDE	17.29	17.24	17.34	0.0452	0.0500	-9.6
Endosulfan I	17.39	17.34	17.44	0.0515	0.0500	2.9
Dieldrin	17.98	17.93	18.03	0.0491	0.0500	-1.9
Endrin	18.54	18.49	18.59	0.0481	0.0500	-3.9
4,4'-DDD	18.71	18.66	18.76	0.0470	0.0500	-6.0
Endosulfan II	19.07	19.02	19.12	0.0500	0.0500	0.0
4,4'-DDT	19.35	19.30	19.40	0.0476	0.0500	-4.8
Endrin aldehyde	20.05	20.00	20.10	0.0494	0.0500	-1.1
methoxychlor	20.47	20.42	20.52	0.0501	0.0500	0.1
Endo. Sulfate	21.05	21.00	21.10	0.0486	0.0500	-2.8
Endrin ketone	21.76	21.71	21.81	0.0496	0.0500	-0.8

* Value >15.0% Difference

Average %D = 3.3

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG 0.05 Date/Time Analyzed: 10/25/03 05:49

FILE ID: H:\TURBO4\5890-18\RA29439.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.28	9.23	9.33	0.0511	0.0500	2.1
Decachlorobiphenyl	24.44	24.39	24.49	0.0578	0.0500	15.5 *

* Value >15.0% Difference

Average %D = 8.8

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS 0.05 Date/Time Analyzed: 10/25/03 10:50

FILE ID: H:\TURBO4\5890-18\RA29447.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.45	11.40	11.50	0.0494	0.0500	-1.1
gamma-BHC	12.52	12.47	12.57	0.0507	0.0500	1.4
beta-BHC	12.84	12.79	12.89	0.0540	0.0500	8.0
delta-BHC	13.36	13.31	13.41	0.0397	0.0500	-20.7 *
Heptachlor	13.97	13.92	14.02	0.0534	0.0500	6.7
Aldrin	14.81	14.76	14.86	0.0509	0.0500	1.8
Hept. epoxide	16.41	16.36	16.46	0.0533	0.0500	6.6
gamma chlordane	16.73	16.68	16.78	0.0525	0.0500	4.9
alpha chlordane	17.06	17.01	17.11	0.0525	0.0500	5.1
4,4'-DDE	17.28	17.23	17.33	0.0508	0.0500	1.5
Endosulfan I	17.39	17.34	17.44	0.0522	0.0500	4.3
Dieldrin	17.97	17.92	18.02	0.0516	0.0500	3.1
Endrin	18.53	18.48	18.58	0.0508	0.0500	1.5
4,4'-DDD	18.69	18.64	18.74	0.0498	0.0500	-0.3
Endosulfan II	19.06	19.01	19.11	0.0520	0.0500	4.1
4,4'-DDT	19.34	19.29	19.39	0.0494	0.0500	-1.1
Endrin aldehyde	20.03	19.98	20.08	0.0512	0.0500	2.4
methoxychlor	20.45	20.40	20.50	0.0533	0.0500	6.5
Endo. Sulfate	21.04	20.99	21.09	0.0475	0.0500	-5.0
Endrin ketone	21.74	21.69	21.79	0.0517	0.0500	3.3

* Value >15.0% Difference

Average %D = 4.5

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG 0.05 Date/Time Analyzed: 10/25/03 13:20

FILE ID: H:\TURBO4\5890-18\RA29448.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.28	9.23	9.33	0.0509	0.0500	1.8
Decachlorobiphenyl	24.42	24.37	24.47	0.0565	0.0500	12.9

* Value >15.0% Difference

Average %D = 7.4

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS Date/Time Analyzed: 10/26/03 20:06

FILE ID: H:\TURBO4\5890-18\RA29473.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.45	11.40	11.50	0.0488	0.0500	-2.3
gamma-BHC	12.52	12.47	12.57	0.0499	0.0500	-0.3
beta-BHC	12.84	12.79	12.89	0.0520	0.0500	4.0
delta-BHC	13.36	13.31	13.41	0.0469	0.0500	-6.2
Heptachlor	13.97	13.92	14.02	0.0521	0.0500	4.1
Aldrin	14.80	14.75	14.85	0.0508	0.0500	1.6
Hept. epoxide	16.40	16.35	16.45	0.0524	0.0500	4.8
gamma chlordane	16.73	16.68	16.78	0.0525	0.0500	5.0
alpha chlordane	17.06	17.01	17.11	0.0487	0.0500	-2.5
4,4'-DDE	17.28	17.23	17.33	0.0490	0.0500	-1.9
Endosulfan I	17.38	17.33	17.43	0.0530	0.0500	6.1
Dieldrin	17.97	17.92	18.02	0.0512	0.0500	2.4
Endrin	18.53	18.48	18.58	0.0510	0.0500	2.0
4,4'-DDD	18.69	18.64	18.74	0.0502	0.0500	0.5
Endosulfan II	19.06	19.01	19.11	0.0506	0.0500	1.2
4,4'-DDT	19.34	19.29	19.39	0.0500	0.0500	-0.1
Endrin aldehyde	20.03	19.98	20.08	0.0524	0.0500	4.9
methoxychlor	20.45	20.40	20.50	0.0533	0.0500	6.6
Endo. Sulfate	21.04	20.99	21.09	0.0512	0.0500	2.4
Endrin ketone	21.74	21.69	21.79	0.0518	0.0500	3.6

* Value >15.0% Difference

Average %D = 3.1

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/26/03 20:43

FILE ID: H:\TURBO4\5890-18\RA29474.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.28	9.23	9.33	0.0494	0.0500	-1.3
Decachlorobiphenyl	24.41	24.36	24.46	0.0583	0.0500	16.6 *

* Value >15.0% Difference

Average %D = 8.9

7C

PESTICIDE BREAKDOWN SUMMARY

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

Ref ID: ICM1KD Date/Time Analyzed: 10/27/03 3:36

File ID: H:\TURBO4\5890-18\RA29485.RAW

COMPOUND	Area	% Breakdown
4,4'-DDE	917	
4,4'-DDD	0	
4,4'-DDT	681784	**0.1**
Endrin aldehyde	0	
Endrin ketone	11270	
Endrin	348281	**3.1**

*** Value >15.0% DEGRADATION**

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS Date/Time Analyzed: 10/27/03 04:14

FILE ID: H:\TURBO4\5890-18\RA29486.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.44	11.39	11.49	0.0484	0.0500	-3.1
gamma-BHC	12.51	12.46	12.56	0.0499	0.0500	-0.3
beta-BHC	12.83	12.78	12.88	0.0522	0.0500	4.4
delta-BHC	13.36	13.31	13.41	0.0452	0.0500	-9.6
Heptachlor	13.96	13.91	14.01	0.0523	0.0500	4.6
Aldrin	14.80	14.75	14.85	0.0499	0.0500	-0.2
Hept. epoxide	16.40	16.35	16.45	0.0527	0.0500	5.4
gamma chlordane	16.73	16.68	16.78	0.0518	0.0500	3.7
alpha chlordane	17.06	17.01	17.11	0.0521	0.0500	4.3
4,4'-DDE	17.28	17.23	17.33	0.0467	0.0500	-6.5
Endosulfan I	17.38	17.33	17.43	0.0543	0.0500	8.5
Dieldrin	17.97	17.92	18.02	0.0511	0.0500	2.2
Endrin	18.52	18.47	18.57	0.0505	0.0500	1.1
4,4'-DDD	18.69	18.64	18.74	0.0494	0.0500	-1.2
Endosulfan II	19.06	19.01	19.11	0.0519	0.0500	3.8
4,4'-DDT	19.34	19.29	19.39	0.0494	0.0500	-1.3
Endrin aldehyde	20.03	19.98	20.08	0.0512	0.0500	2.5
methoxychlor	20.46	20.41	20.51	0.0519	0.0500	3.8
Endo. Sulfate	21.04	20.99	21.09	0.0500	0.0500	0.0
Endrin ketone	21.74	21.69	21.79	0.0515	0.0500	3.0

* Value >15.0% Difference

Average %D = 3.5

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/27/03 04:51

FILE ID: H:\TURBO4\5890-18\RA29487.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.28	9.23	9.33	0.0510	0.0500	1.9
Decachlorobiphenyl	24.40	24.35	24.45	0.0597	0.0500	19.4 *

* Value >15.0% Difference

Average %D = 10.7

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS Date/Time Analyzed: 10/27/03 11:44

FILE ID: H:\TURBO4\5890-18\RA29498.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.44	11.39	11.49	0.0492	0.0500	-1.7
gamma-BHC	12.51	12.46	12.56	0.0506	0.0500	1.2
beta-BHC	12.83	12.78	12.88	0.0527	0.0500	5.5
delta-BHC	13.36	13.31	13.41	0.0482	0.0500	-3.6
Heptachlor	13.96	13.91	14.01	0.0518	0.0500	3.6
Aldrin	14.80	14.75	14.85	0.0505	0.0500	1.0
Hept. epoxide	16.40	16.35	16.45	0.0527	0.0500	5.3
gamma chlordane	16.73	16.68	16.78	0.0521	0.0500	4.3
alpha chlordane	17.06	17.01	17.11	0.0521	0.0500	4.1
4,4'-DDE	17.27	17.22	17.32	0.0486	0.0500	-2.8
Endosulfan I	17.38	17.33	17.43	0.0529	0.0500	5.8
Dieldrin	17.97	17.92	18.02	0.0513	0.0500	2.6
Endrin	18.52	18.47	18.57	0.0492	0.0500	-1.7
4,4'-DDD	18.69	18.64	18.74	0.0496	0.0500	-0.8
Endosulfan II	19.06	19.01	19.11	0.0518	0.0500	3.5
4,4'-DDT	19.34	19.29	19.39	0.0485	0.0500	-2.9
Endrin aldehyde	20.03	19.98	20.08	0.0475	0.0500	-5.0
methoxychlor	20.45	20.40	20.50	0.0492	0.0500	-1.5
Endo. Sulfate	21.04	20.99	21.09	0.0514	0.0500	2.9
Endrin ketone	21.74	21.69	21.79	0.0525	0.0500	5.1

* Value >15.0% Difference

Average %D = 3.2

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/27/03 12:22

FILE ID: H:\TURBO4\5890-18\RA29499.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.27	9.22	9.32	0.0503	0.0500	0.5
Decachlorobiphenyl	24.41	24.36	24.46	0.0585	0.0500	16.9 *

* Value >15.0% Difference

Average %D = 8.7

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B ICAL Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

CCV ID: ICM25MS Date/Time Analyzed: 10/29/03 01:33

FILE ID: H:\TURBO4\5890-9\9B29240.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	10.88	10.83	10.93	0.0535	0.0500	6.9
gamma-BHC	11.83	11.78	11.88	0.0542	0.0500	8.3
beta-BHC	12.08	12.03	12.13	0.0555	0.0500	11.0
delta-BHC	12.81	12.76	12.86	0.0536	0.0500	7.3
heptachlor	12.91	12.86	12.96	0.0421	0.0500	-15.8 *
Aldrin	13.68	13.63	13.73	0.0521	0.0500	4.2
Hept. epoxide	15.03	14.98	15.08	0.0473	0.0500	-5.4
gamma Chlordane	15.46	15.41	15.51	0.0541	0.0500	8.2
alpha Chlordane	15.79	15.74	15.84	0.0545	0.0500	8.9
Endosulfan I	15.91	15.86	15.96	0.0541	0.0500	8.2
4,4'-DDE	16.19	16.14	16.24	0.0545	0.0500	8.9
Dieldrin	16.53	16.48	16.58	0.0534	0.0500	6.8
Endrin	17.20	17.15	17.25	0.0601	0.0500	20.1 *
4,4'-DDD	17.45	17.40	17.50	0.0550	0.0500	10.0
Endosulfan II	17.67	17.62	17.72	0.0535	0.0500	7.1
4,4'-DDT	18.12	18.07	18.17	0.0526	0.0500	5.2
Endrin aldehyde	18.40	18.35	18.45	0.0515	0.0500	3.1
Endo. Sulfate	18.99	18.94	19.04	0.0526	0.0500	5.2
methoxychlor	19.61	19.56	19.66	0.0578	0.0500	15.6 *
Endrin ketone	20.16	20.11	20.21	0.0524	0.0500	4.8

* Value >15.0% Difference

Average %D = 8.6

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B ICAL Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/29/03 02:01

FILE ID: H:\TURBO4\5890-9\9B29241.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.13	9.08	9.18	0.0523	0.0500	4.5
Decachlorobiphenyl	22.97	22.92	23.02	0.0501	0.0500	0.2

* Value >15.0% Difference

Average %D = 2.3

7C

PESTICIDE BREAKDOWN SUMMARY

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B ICAL Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

Ref ID: ICM1KD Date/Time Analyzed: 10/29/03 8:42

File ID: H:\TURBO4\5890-9\9B29255.RAW

COMPOUND	Area	% Breakdown
4,4'-DDE	13598	
4,4'-DDD	1956	
4,4'-DDT	896398	**1.7**
Endrin aldehyde	4385	
Endrin ketone	15927	
Endrin	492030	**4.0**

*** Value >15.0% DEGRADATION**

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B ICAL Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

CCV ID: ICM25MS Date/Time Analyzed: 10/29/03 09:10

FILE ID: H:\TURBO4\5890-9\9B29256.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	10.88	10.83	10.93	0.0534	0.0500	6.7
gamma-BHC	11.82	11.77	11.87	0.0538	0.0500	7.6
beta-BHC	12.07	12.02	12.12	0.0556	0.0500	11.1
delta-BHC	12.80	12.75	12.85	0.0468	0.0500	-6.5
heptachlor	12.91	12.86	12.96	0.0508	0.0500	1.7
Aldrin	13.68	13.63	13.73	0.0520	0.0500	4.0
Hept. epoxide	15.03	14.98	15.08	0.0530	0.0500	6.0
gamma Chlordane	15.46	15.41	15.51	0.0545	0.0500	9.0
alpha Chlordane	15.79	15.74	15.84	0.0546	0.0500	9.2
Endosulfan I	15.91	15.86	15.96	0.0542	0.0500	8.4
4,4'-DDE	16.18	16.13	16.23	0.0549	0.0500	9.8
Dieldrin	16.52	16.47	16.57	0.0534	0.0500	6.8
Endrin	17.19	17.14	17.24	0.0574	0.0500	14.8
4,4'-DDD	17.45	17.40	17.50	0.0542	0.0500	8.3
Endosulfan II	17.66	17.61	17.71	0.0539	0.0500	7.7
4,4'-DDT	18.12	18.07	18.17	0.0559	0.0500	11.7
Endrin aldehyde	18.39	18.34	18.44	0.0543	0.0500	8.6
Endo. Sulfate	18.99	18.94	19.04	0.0459	0.0500	-8.2
methoxychlor	19.60	19.55	19.65	0.0616	0.0500	23.1 *
Endrin ketone	20.16	20.11	20.21	0.0521	0.0500	4.2

* Value >15.0% Difference

Average %D = 8.7

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B ICAL Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/29/03 09:39

FILE ID: H:\TURBO4\5890-9\9B29257.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.13	9.08	9.18	0.0498	0.0500	-0.3
Decachlorobiphenyl	22.96	22.91	23.01	0.0486	0.0500	-2.9

* Value >15.0% Difference

Average %D = 1.6

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B ICAL Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

CCV ID: ICM25MS Date/Time Analyzed: 10/29/03 12:30

FILE ID: H:\TURBO4\5890-9\9B29263.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	10.88	10.83	10.93	0.0535	0.0500	7.1
gamma-BHC	11.83	11.78	11.88	0.0540	0.0500	7.9
beta-BHC	12.07	12.02	12.12	0.0557	0.0500	11.3
delta-BHC	12.81	12.76	12.86	0.0467	0.0500	-6.7
heptachlor	12.91	12.86	12.96	0.0505	0.0500	0.9
Aldrin	13.68	13.63	13.73	0.0522	0.0500	4.4
Hept. epoxide	15.03	14.98	15.08	0.0531	0.0500	6.1
gamma Chlordane	15.46	15.41	15.51	0.0545	0.0500	9.0
alpha Chlordane	15.79	15.74	15.84	0.0545	0.0500	9.0
Endosulfan I	15.91	15.86	15.96	0.0539	0.0500	7.9
4,4'-DDE	16.18	16.13	16.23	0.0548	0.0500	9.6
Dieldrin	16.52	16.47	16.57	0.0535	0.0500	7.0
Endrin	17.19	17.14	17.24	0.0577	0.0500	15.4 *
4,4'-DDD	17.45	17.40	17.50	0.0526	0.0500	5.2
Endosulfan II	17.66	17.61	17.71	0.0533	0.0500	6.6
4,4'-DDT	18.12	18.07	18.17	0.0539	0.0500	7.8
Endrin aldehyde	18.39	18.34	18.44	0.0517	0.0500	3.4
Endo. Sulfate	18.99	18.94	19.04	0.0483	0.0500	-3.5
methoxychlor	19.61	19.56	19.66	0.0599	0.0500	19.8 *
Endrin ketone	20.16	20.11	20.21	0.0520	0.0500	4.0

* Value >15.0% Difference

Average %D = 7.6

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-9 B ICAL Date(s) Analyzed:

Column: RTX-CLP II 10/09/03 to 10/09/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/29/03 12:59

FILE ID: H:\TURBO4\5890-9\9B29264.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.13	9.08	9.18	0.0533	0.0500	6.5
Decachlorobiphenyl	22.97	22.92	23.02	0.0511	0.0500	2.1

* Value >15.0% Difference

Average %D = 4.3

RAW QC DATA

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1182502

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: RA29392.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

559/1028

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Method Blank

Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1188802

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 9B29254.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1182501

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: RA29391.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.022	
319-84-6	alpha-BHC	0.036	
319-85-7	beta-BHC	0.041	
58-89-9	gamma-BHC (Lindane)	0.037	
319-86-8	delta-BHC	0.037	
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.049	
72-55-9	4,4'-DDE	0.040	
50-29-3	4,4'-DDT	0.044	
60-57-1	Dieldrin	0.034	
959-98-8	Endosulfan I	0.041	
33213-65-9	Endosulfan II	0.038	
1031-07-8	Endosulfan Sulfate	0.043	
72-20-8	Endrin	0.045	
7421-93-4	Endrin aldehyde	0.058	
76-44-8	Heptachlor	0.033	
1024-57-3	Heptachlor epoxide	0.041	
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.047	

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3B1188801

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 9B29253.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.028	
319-84-6	alpha-BHC	0.051	
319-85-7	beta-BHC	0.055	
58-89-9	gamma-BHC (Lindane)	0.053	
319-86-8	delta-BHC	0.051	
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.054	
72-55-9	4,4'-DDE	0.047	
50-29-3	4,4'-DDT	0.057	
60-57-1	Dieldrin	0.054	
959-98-8	Endosulfan I	0.052	
33213-65-9	Endosulfan II	0.055	
1031-07-8	Endosulfan Sulfate	0.055	
72-20-8	Endrin	0.059	
7421-93-4	Endrin aldehyde	0.095	
76-44-8	Heptachlor	0.037	
1024-57-3	Heptachlor epoxide	0.052	
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.069	

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803MS

Sample wt/vol: 1090.00 (g/mL) ML Lab File ID: RA29444.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.042	
319-84-6	alpha-BHC	0.039	
319-85-7	beta-BHC	0.038	
58-89-9	gamma-BHC (Lindane)	0.044	
319-86-8	delta-BHC	0.042	
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.046	
72-55-9	4,4'-DDE	0.046	
50-29-3	4,4'-DDT	0.044	
60-57-1	Dieldrin	0.041	
959-98-8	Endosulfan I	0.047	
33213-65-9	Endosulfan II	0.043	
1031-07-8	Endosulfan Sulfate	0.045	
72-20-8	Endrin	0.049	
7421-93-4	Endrin aldehyde	0.036	
76-44-8	Heptachlor	0.047	
1024-57-3	Heptachlor epoxide	0.040	
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.059	

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3997803SD

Sample wt/vol: 1090.00 (g/mL) ML Lab File ID: RA29445.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.029	
319-84-6	alpha-BHC	0.033	
319-85-7	beta-BHC	0.034	
58-89-9	gamma-BHC (Lindane)	0.038	
319-86-8	delta-BHC	0.037	
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.036	
72-55-9	4,4'-DDE	0.039	
50-29-3	4,4'-DDT	0.039	
60-57-1	Dieldrin	0.036	
959-98-8	Endosulfan I	0.041	
33213-65-9	Endosulfan II	0.036	
1031-07-8	Endosulfan Sulfate	0.039	
72-20-8	Endrin	0.041	
7421-93-4	Endrin aldehyde	0.033	
76-44-8	Heptachlor	0.036	
1024-57-3	Heptachlor epoxide	0.034	
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.052	

564/1028

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No: WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00703MS

Sample wt/vol: 525.00 (g/mL) ML Lab File ID: 9B29260.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/200

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.068	
319-84-6	alpha-BHC	0.084	
319-85-7	beta-BHC	0.084	
58-89-9	gamma-BHC (Lindane)	0.086	
319-86-8	delta-BHC	0.078	
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.093	
72-55-9	4,4'-DDE	0.088	
50-29-3	4,4'-DDT	0.10	
60-57-1	Dieldrin	0.090	
959-98-8	Endosulfan I	0.088	
33213-65-9	Endosulfan II	0.11	
1031-07-8	Endosulfan Sulfate	0.094	
72-20-8	Endrin	0.10	
7421-93-4	Endrin aldehyde	0.21	
76-44-8	Heptachlor	0.077	
1024-57-3	Heptachlor epoxide	0.090	
8001-35-2	Toxaphene	0.19	U
12674-11-2	PCB 1016	0.095	U
11104-28-2	PCB 1221	0.095	U
11141-16-5	PCB 1232	0.095	U
53469-21-9	PCB 1242	0.095	U
12672-29-6	PCB 1248	0.095	U
11097-69-1	PCB 1254	0.095	U
11096-82-5	PCB 1260	0.095	U
72-43-5	Methoxychlor	0.11	

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix: (soil/water) WATER Lab Sample ID: A3A00703SD

Sample wt/vol: 525.00 (g/mL) ML Lab File ID: 9B29261.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/15/2003 10/16/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/18/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/29/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.078	
319-84-6	alpha-BHC	0.090	
319-85-7	beta-BHC	0.091	
58-89-9	gamma-BHC (Lindane)	0.092	
319-86-8	delta-BHC	0.082	
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.10	
72-55-9	4,4'-DDE	0.096	
50-29-3	4,4'-DDT	0.11	
60-57-1	Dieldrin	0.098	
959-98-8	Endosulfan I	0.095	
33213-65-9	Endosulfan II	0.11	
1031-07-8	Endosulfan Sulfate	0.10	
72-20-8	Endrin	0.11	
7421-93-4	Endrin aldehyde	0.20	
76-44-8	Heptachlor	0.086	
1024-57-3	Heptachlor epoxide	0.096	
8001-35-2	Toxaphene	0.19	U
12674-11-2	PCB 1016	0.095	U
11104-28-2	PCB 1221	0.095	U
11141-16-5	PCB 1232	0.095	U
53469-21-9	PCB 1242	0.095	U
12672-29-6	PCB 1248	0.095	U
11097-69-1	PCB 1254	0.095	U
11096-82-5	PCB 1260	0.095	U
72-43-5	Methoxychlor	0.12	

STL Buffalo
Date: 11/05/2003
Time: 14:05:30

Organic Prep Log Book
(3510C) 608 PEST/PCB WATERS
A3B11825 (Closed)

Rept: AN0501

Surrogate Amount: 100.00 ul

Matrix Spike Amount: 50.00 ul

Date Ext/Initials: 10/17/2003 MM

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: 10/17/2003 DRW

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A03-9900	A3990001	A	FS	AW30014105	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1050.0000	1.00
A03-9900	A3990002	A	FS	AW30014106	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1060.0000	1.00
A03-9900	A3990003	A	FS	AW30014107	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1060.0000	1.00
A03-9900	A3990004	A	FS	AW30014108	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1060.0000	1.00
A03-9900	A3990005	A	FB	AW30014109	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1050.0000	1.00
A03-9978	A3997801	A	FS	AW30014110	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1055.0000	1.00
A03-9978	A3997802	A	FS	AW30014111	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1055.0000	1.00
A03-9978	A3997803	M	FS	AW30014112	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1000.0000	1.00
A03-9978	A3997803MS	M	MS	AW30014113	PP P/PCB	CFR136	608 P/PCB	A00151	A00152		7.00	1090.0000	1.00
A03-9978	A3997803SD	M	SD	AW30014114	PP P/PCB	CFR136	608 P/PCB	A00151	A00152		7.00	1090.0000	1.00
A03-9978	A3997804	A	FB	AW30014115	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1055.0000	1.00
A03-9981	A3998101	A	FS	AW30014116	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1055.0000	1.00
A03-9981	A3998102	A	FS	AW30014117	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1055.0000	1.00
A03-9981	A3998103	A	FS	AW30014118	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1055.0000	1.00
A03-9981	A3998104	A	FS	AW30014119	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1045.0000	1.00
A03-9981	A3998105	A	FB	AW30014120	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1050.0000	1.00

STL Buffalo
Date: 11/05/2003
Time: 14:05:30

Organic Prep Log Book
(3510C) 608 PEST/PCB WATERS
A3B11825 (Closed)

Rept: AN0501

Surrogate Amount: 100.00 ul

Matrix Spike Amount: 50.00 ul

Date Ext/Initials: 10/17/2003 MM

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: 10/17/2003 DRW

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A3B11825	A3B1182501	Z	MSB	AW30014121	PP P/PCB	CFR136	608 P/PCB	A00151	A00152	_____	5.00	1000.0000	1.00
A3B11825	A3B1182502	Z	MBLK	AW30014122	PP P/PCB	CFR136	608 P/PCB	A00151	_____	_____	5.00	1000.0000	1.00
A03-9953	A3995302	A	FS	AW30014123	608P/PCB	CFR136	608	A00151	_____	_____	7.00	1050.0000	1.00
A3B11825	A3B1182501		MSB	AW30014124	608P/PCB	CFR136	608	A00151	A00152	_____	5.00	1000.0000	1.00
A3B11825	A3B1182502		MBLK	AW30014125	608P/PCB	CFR136	608	A00151	_____	_____	5.00	1000.0000	1.00

Comments:

STL Buffalo
Date: 11/05/2003
Time: 14:50:02

Organic Prep Log Book
(3510C) 608 PEST/PCB WATERS
A3B11888 (Closed)

Rept: AN0501

Surrogate Amount: 100.00 ul

Matrix Spike Amount: 50.00 ul

Date Ext/Initials: 10/18/2003 MR

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: 10/18/2003 MR

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A03-A007	A3A00701	A	FS	AW30014231	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1050.0000	1.00
A03-A007	A3A00702	A	FS	AW30014232	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1045.0000	1.00
A03-A007	A3A00703	M	FS	AW30014233	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1000.0000	1.00
A03-A007	A3A00703MS	M	MS	AW30014234	PP P/PCB	CFR136	608 P/PCB	A00151	A00152		6.00	525.0000	1.00
A03-A007	A3A00703SD	M	SD	AW30014235	PP P/PCB	CFR136	608 P/PCB	A00151	A00152		6.00	525.0000	1.00
A03-A007	A3A00704	A	FS	AW30014236	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1050.0000	1.00
A03-A007	A3A00705	A	FS	AW30014237	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1050.0000	1.00
A03-A007	A3A00706	A	FB	AW30014238	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1050.0000	1.00
A3B11888	A3B1188801		MSB	AW30014239	PP P/PCB	CFR136	608 P/PCB	A00151	A00152		5.00	1000.0000	1.00
A3B11888	A3B1188802		MBLK	AW30014240	PP P/PCB	CFR136	608 P/PCB	A00151			5.00	1000.0000	1.00

Comments:

GC INJECTION LOG BOOK

INSTRUMENT ID HP5890-18 COLUMN ID'S A RTXCLP1 B RTXCLPII SEQUENCE 29

SYRINGE LOT # SOLVENT LOT #

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
10/23/03		1CM42 MC							(B)	AOK BOK
mm		48 LC								AOK BOK
		54 NJ				380				AOK BOK
		66 DJ								A 1260↑, 1016 OK B ~~1016 OK~~ 1016 OK 1260↑
		25 MR						changed line		(A) alpha chlordane ↓, Aldehyde ↓ (B) Several Low Aldehyde OK
	9527	AW30013568	5					TXP'A"	(B)	
	9263	13553	10							
		1CM25MR				385				AOK B some low.
		3 DAG	2							AOK BOK
		1KD								AOK BOK
	9656	AW30013563								
		13564								
		13565				390				
	QC	14121		batch 11825						
		14122								
	A223	14408								
	QC	14409								
		14410				395				
		14411								
	A130	14367								
		1CM25MR								(A) OK (B) Hepi/DDT/mech b
		3 DAG	2							OK OK
		AW30014368				400				
		14369								
	QC	14370		batch Br A130						
		14371								
		14372								

569/1028

GC INJECTION LOG BOOK

INSTRUMENT ID HP5890-18 COLUMN ID'S A RTXCLPI B RTXCLPII SEQUENCE 29

SYRINGE LOT # SOLVENT LOT #

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
10/24/03	9610	AW3001356				405		TXØ'A"		
MM		13557								
	~~9160~~	13554	40							florisiled
		13555	10							florisiled
		hexane								
		1cm1KD				410				(A) ok (B) ok
		25MR								ok DDT/Gpt/mech ok
		3DAG	2							ok ok
	9806	AW3001399	100	X				TXØ'A'		all copper treated
		14000	5							
		14001				415				
		14002								
		14003								Cut
		14004	100							
		14005	100							
		14006				420				
	9850	14007	100							
		14008	~~100~~	X DF10						
		1cm25MR								(A) ok (B) DDDL
		3DAG	2							ok ok
		42MC				425				ok ok
		48LC								↑(15.7) ↑(16.5)
		~~AW300 14009~~								
		14010	5							
		14011	100							
		14012				430				
		~~1cm1KD~~								(A) (B)

Q 10/24/03

SEVERN TREE LABORATORIES, INC. – BUFFALO

000077

REVIEWED BY

570/1028

0078

GC INJECTION LOG BOOK

INSTRUMENT ID HP5890-18

SYRINGE LOT #

COLUMN ID'S A RTXCCPI B RTXCCPII

SEQUENCE 29

SOLVENT LOT #

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
		~~ICM 25 MR~~								
		~~3DAG~~	2	10/24/03				B 10/24/03		
B 10/24/03	9806	AW300 13999				427				Cu++
		Hexane								
	9953	AW300 14123								Cu++
		Hexane				430				
	9900	AW300 14105								Cu++
		14106	100							
		14107	10							
		14108	20							
		14109				435				
		Hexane								
B 10/25/03	PEM	ICM 1 KD								
	CCV	25MS								AOK BOK
	IBLK	3 DAG	2							AOK B delta 0
	CCV	66DJ				440				ADCBP+15.5 BOK
	9978	AW300 14110	50							
		14111	4							Cu++
		14112								
		14113								
		14114				445				
		14115					X			
	CCV	ICM 25MS								
	IBLK	3 DAG	2							AOK BOK
	CCV	32ZA	0.5							AOK BOK
	9981	AW300 14116	2			450				Pattern Check (A) ok (B)
		14117	2							

3/1/1028

GC INJECTION LOG BOOK

INSTRUMENT ID HP5890-18 COLUMN ID'S A RTXCLPI B RTXCLPII SEQUENCE 29

SYRINGE LOT # SOLVENT LOT # —

DATE & INIT.	JOB #	A VIAL ID	A DF	B VIAL ID	B DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
10/25/03	9981	AW300 14118	2			452		1XDA	(Y)	
	↓	↓ 14119	2			.				
		— Hexane				.				
	9981	AW300 14120				455				CW++
		ICM 1KD				.				AOK BOK
		25MS				.				AOK B Some b
		3DAG	2			.				ADCBP↑ B DCBP↑
		54NJ	0.5			.				AOK BOK
10/26/03		ICM 1KD				460				AOK BOK
MW		25MS				.				AOK B Some lower.
		3DAG	2			.				(A)OK (B)OK
	A057	AW30014294				.				
		14295				.				
		14296				465				
		14297				.				
		14298				.				
	A209	14434				.				
	QC	14435				.				
		14436				470				
		14437				.				
	A212	14438				.				
		ICM 25MS				.				(A) OK (B) OK
		3DAG	2			.				DCB↑ OK
	A927	AW30014444				475				
		14442				.				
		14443				.				
		14444				.				

GC INJECTION LOG BOOK

INSTRUMENT ID HP5880-18

SYRINGE LOT # —

COLUMN ID'S A RTXCLPI I B RXCLPII

SOLVENT LOT # —

SEQUENCE 2P

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS	
	A227	AW30014439						TXØ 'A'	Y		
	9978	14110	5			480					
	9806	14004	400								
	9850	14009									
		14010	5								
		14011	100								
		ICM 1KD				485				A ok	B ok
		25MS								ok	Delte ↓
		3 DAG	2							DCB↑	DCB↑
		26GA								alachlor	
		42MC								↑	OK
		48LC				490				↑ (15.4)	OK
		54NJ								OK	↑ (15.2)
		66DJ								1016↑	OK
	9850	AW30014012						TXØ 'A'			
	9953	14123	2								
	9900	14105				495				copper treated	
	9806	13999								copper treated	
		hexane									
		ICM 25MS								A ok	B Heptachlor ↑
		3 DAG	2							DCBP↑	DCBP ↑
	9981	AW30014116				500		TXO-A		all flouseled	
		14117									
		14118									
		14119									
		ICM 25MS								A ok	B ok
		3 DAG	2			505				DCBP ↑	DCBP ↑

573/1028

GC INJECTION LOGBOOK

INSTRUMENT ID HP5890-9 COLUMN ID'S A RTXCLP1 B RTXCLPII SEQUENCE 29

SYRINGE LOT# SOLVENT LOT#

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
10/28/03		Prime				226			(B)	Changed liner
		↓								
		1cm1KD								A OK B OK
		25MS								A Methoxy +18 B heptachlor − 18.7
		↓ 3DAG	2			230				A OK B OK
		28FB	0.05							A Single Pt B Single Pt
		26GA	0.05							A ↓ B ↓
		~~AW3001443~~				~~[illegible]~~				
	9644	AW30016977	20			233		~~TXD~~ A+B		
	↓	↓ 16977	100							
	A209	AW30014433				235				
		hexane								
	A227	AW30014440	5							
		hexane								
		hexane								
		1cm 25MS				240				(A) α chlor ↓ Meth ↑ OK (B) hept ↓ ~~Dieldrin~~ ↑ Endrin OK
		↓ 3DAG	2							
		42MC								
		48LC								
		54NJ								
		↓ 66DJ				245				
	A271	AW30014488								
		14489								
		14490								
		↓ 14491								
	A007	14232				250				
		14236								
		14238								
		14239								
	↓	↓ 14240								
		1cm1KD				255				(A) OK Hept/Endrin/Meth ↑ OK (B) OK Meth ↑ OK
		25MS								
		↓ 3DAG	2							
		AW30014231	50							
		14233								
		14234				260				
		14235								
		↓ 14237	50							

SEVERN TRENT LABORATORIES

REVIEWED BY

574/1028

GC INJECTION LOGBOOK

INSTRUMENT ID HP5890-9 COLUMN ID'S A RTXCLPI B RTXCLPII SEQUENCE 29

SYRINGE LOT# SOLVENT LOT#

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
10/29/03 MAN		1CM25MS				263			(B)	(A) Hepl. /Endn/Meth ↑ (B) Meth ↑
		↓ 3DAG	2							↓ OK ↓ OK
	A03-A 227	AW30014440				265				
		1CM21LA								
		32ZA								
		1KD								
		25MS								
		↓ 3DAG	2			270				
	QC	AW30014566								
	↓	14567								
		14568								
	A296	14565	100							
	A299	↓ 14569	50			275				
		~~1CM25MS~~						10/29/03 MAN		
		~~↓ 3DAG~~	~~2~~							
	A296	14565	20			276				
	A299	14569	10							
		1CM25MS								
		↓ 3DAG	2							
11/1/03 MAN		1CM3DAE				280				
		↓ 1KD								
	A049	AW30014662								
	↓	14663								
		14664								
		14665				285				
	A459	14685								
	↓	14686								
	A476	14687								
	QC	14688								
	↓	14689				290				
		↓ 14690								
		1CM3DAE								
		4KA								
		5JA								
		42MB				295				
		48LB								
		↓ 54NH								

SEVERN TRENT LABORATORIES

REVIEWED BY

575/1028

Wet Chemistry Data

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990005

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/15/2003
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/15/2003
Chloride	MG/L	1.0	U			325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003
Total Dissolved Solids	MG/L	10	U			160.1	10/16/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	10	U			9020	10/22/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101303

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990505

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997804

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/16/2003
Chloride	MG/L	1.0	U			325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003
Total Dissolved Solids	MG/L	10	U			160.1	10/20/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	10	U			9020	10/22/2003
Total Recoverable Phenolics	MG/L	0.0065				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999804

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0036	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101503

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00706

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/21/2003
Chloride	MG/L	1.0	U			325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	10	U			160.1	10/22/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	10	U			9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FB101503

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03306

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990001

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	33.8				405.1	10/15/2003
Chemical Oxygen Demand	MG/L	51.9				410.4	10/15/2003
Chloride	MG/L	118				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003
Total Dissolved Solids	MG/L	765				160.1	10/16/2003
Total Organic Carbon	MG/L	12.7				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	138				9020	10/21/2003
Total Recoverable Phenolics	MG/L	0.014				420.2	10/21/2003

Comments:

584/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-3G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990501

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990002

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	21.0				405.1	10/15/2003
Chemical Oxygen Demand	MG/L	196				410.4	10/16/2003
Chloride	MG/L	297				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.57				353.2	10/14/2003
Total Dissolved Solids	MG/L	1270				160.1	10/20/2003
Total Organic Carbon	MG/L	33.4				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	436				9020	10/22/2003
Total Recoverable Phenolics	MG/L	0.056				420.2	10/21/2003

Comments:

586/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-5G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990502

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0030	B			335.3	10/23/2003

Comments:

587/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997801

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	32.3				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	877				410.4	10/16/2003
Chloride	MG/L	1280				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	2.5				353.2	10/15/2003
Total Dissolved Solids	MG/L	4360				160.1	10/17/2003
Total Organic Carbon	MG/L	198				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	2120				9020	10/23/2003
Total Recoverable Phenolics	MG/L	0.093				420.2	10/28/2003

Comments:

588/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-6G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999801

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0014	U			335.3	10/22/2003

Comments:

589/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997802

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	18.3				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	294				410.4	10/16/2003
Chloride	MG/L	444				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003
Total Dissolved Solids	MG/L	1520				160.1	10/17/2003
Total Organic Carbon	MG/L	68.4				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	481				9020	10/23/2003
Total Recoverable Phenolics	MG/L	0.031				420.2	10/21/2003

Comments:

590/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-6S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999802

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

591/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00701

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	20.5				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	315				410.4	10/21/2003
Chloride	MG/L	672				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	2060				160.1	10/20/2003
Total Organic Carbon	MG/L	39.8				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	420				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

GEI-10G

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03301

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0015	B			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997803

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	55.0				410.4	10/16/2003
Chloride	MG/L	5310				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003
Total Dissolved Solids	MG/L	11300				160.1	10/17/2003
Total Organic Carbon	MG/L	8.6				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	510				9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.0069				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999803

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.020	U			335.3	10/22/2003

Comments:

595/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-5S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990003

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	35.0				405.1	10/15/2003
Chemical Oxygen Demand	MG/L	385				410.4	10/15/2003
Chloride	MG/L	2390				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003
Total Dissolved Solids	MG/L	5780				160.1	10/16/2003
Total Organic Carbon	MG/L	57.6				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	843				9020	10/22/2003
Total Recoverable Phenolics	MG/L	0.068				420.2	10/28/2003

Comments:

596/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-5S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990503

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0034	B			335.3	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990004

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	7.7				405.1	10/15/2003
Chemical Oxygen Demand	MG/L	343				410.4	10/15/2003
Chloride	MG/L	3100				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003
Total Dissolved Solids	MG/L	6790				160.1	10/16/2003
Total Organic Carbon	MG/L	17.1				415.1	10/20/2003
Total Organic Halides (Tox)	UG/L	183				9020	10/21/2003
Total Recoverable Phenolics	MG/L	0.014				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-6R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3990504

% Solids: 0.0 Date Samp/Recv: 10/13/2003 10/14/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-7R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00704

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	30.7				410.4	10/22/2003
Chloride	MG/L	2570				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	5800				160.1	10/20/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	66.8				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

600/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-7R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03304

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-7S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00705

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	11.0				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	420				410.4	10/21/2003
Chloride	MG/L	2040				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	4390				160.1	10/20/2003
Total Organic Carbon	MG/L	25.3				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	513				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.022				420.2	10/29/2003

Comments:

602/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-7S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03305

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00702

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	3.3				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	63.1				410.4	10/22/2003
Chloride	MG/L	5850				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	11900				160.1	10/20/2003
Total Organic Carbon	MG/L	3.2				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	38.2				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

604/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-10R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03302

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A00703

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	113				410.4	10/21/2003
Chloride	MG/L	5500				325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003
Total Dissolved Solids	MG/L	10900				160.1	10/20/2003
Total Organic Carbon	MG/L	8.7				415.1	10/23/2003
Total Organic Halides (Tox)	UG/L	132				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

606/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-10S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3A03303

% Solids: 0.0 Date Samp/Recv: 10/15/2003 10/16/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1177002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/15/2003

Comments:

608/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003

Comments:

609/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1176802

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/15/2003

Comments:

610/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1177202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/15/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181602

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/16/2003

Comments:

612/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/16/2003

Comments:

613/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1200802

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1201002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1206502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1183502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	1.0	U			325.2	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1205502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	1.0	U			325.2	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181402

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1204802

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/22/2003

Comments:

620/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1172602

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/14/2003

Comments:

621/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1178202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003

Comments:

622/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1184702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/16/2003

Comments:

623/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1186502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/17/2003

Comments:

624/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1193702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/20/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1198102

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/20/2003

Comments:

626/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1197302

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/20/2003

Comments:

627/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1197402

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/20/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1212902

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1214902

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/23/2003

Comments:

630/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1215002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

631/1028

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1201803

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/21/2003

Comments:

FORM I - WC

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1209806

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/22/2003

Comments:

633/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1214203

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/23/2003

Comments:

FORM I - WC

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1220103

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/24/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1223403

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/25/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1203702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/21/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1235002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/28/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1240402

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/29/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Extractor Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1201802

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/21/2003

Comments:

640/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Extractor Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1209805

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/22/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Extractor Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1214202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Extractor Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1220102

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/24/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Extractor Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1223402

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/25/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1177001

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	221				405.1	10/15/2003

Comments:

645/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181201

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	182				405.1	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1176801

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	828				410.4	10/15/2003

Comments:

647/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1177201

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	69.8				410.4	10/15/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181601

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	77.3				410.4	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181701

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	805				410.4	10/16/2003

Comments:

650/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1200801

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	80.3				410.4	10/21/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1201001

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	835				410.4	10/21/2003

Comments:

652/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1206501

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	72.2				410.4	10/22/2003

Comments:

653/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1183501

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	23.4				325.2	10/16/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1205501

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	23.5				325.2	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1181401

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	504				160.1	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1186501

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	482				160.1	10/17/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1193701

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	455				160.1	10/20/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1198101

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	513				160.1	10/20/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1204801

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	491				160.1	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1172601

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	2.7				353.2	10/14/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1178201

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	2.4				353.2	10/15/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1184701

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	2.4				353.2	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1197301

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	57.4				415.1	10/20/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1197401

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	55.8				415.1	10/20/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1212901

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	54.9				415.1	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1214901

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	56.8				415.1	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1215001

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	54.8				415.1	10/23/2003

Comments:

668/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1201801

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	109				9020	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1209804

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	109				9020	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1214201

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	109				9020	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

6/1/1028

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1220101

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	116				9020	10/24/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1223401

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	116				9020	10/25/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

6/3/1028

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1203701

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.051				420.2	10/21/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1235001

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.055				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3B1240401

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.046				420.2	10/29/2003

Comments:

676/1028

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997803MS

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	118				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	125				410.4	10/16/2003
Chloride	MG/L	7070				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.95				353.2	10/15/2003
Total Organic Carbon	MG/L	22.6				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	1670				9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.15				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

6777/1028

Client Sample No.

W-5R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3997803SD

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	183				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	127				410.4	10/16/2003
Chloride	MG/L	7120				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	0.94				353.2	10/15/2003
Total Organic Carbon	MG/L	22.0				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	1350				9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.10				420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: WE-5R MS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999803MS

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.039	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

WE-5R SD

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Matrix (soil/water): WATER Lab Sample ID: A3999803SD

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.037	U			335.3	10/22/2003

Comments:

SDG: 1003G2

Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1177002 A3B1177001

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	220.8	198.0	111	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

680/1028

SDG: 1003G2
lient Sample ID: Method Blank LCS
Lab Sample ID: A3B1181202 A3B1181201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	182.0	198.0	92	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

681/1028

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1176802

LCS
A3B1176801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	828.4	800.0	104	90-110

8701/789

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1177202 A3B1177201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	69.80	75.00	93	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

083/1078

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1181602

LCS
A3B1181601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	77.30	75.00	103	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
lient Sample ID: Method Blank LCS
Lab Sample ID: A3B1181702 A3B1181701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	805.2	800.0	101	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

0701/000

SDG: 1003G2

Client Sample ID: Method Blank
Lab Sample ID: A3B1200802

LCS
A3B1200801

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	80.30	75.00	107	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

686/1028

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1201002

LCS
A3B1201001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	835.3	800.0	104	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

03//1028

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1206502 A3B1206501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	72.20	75.00	96	90-110

688/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1183502

LCS
A3B1183501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	23.40	25.00	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

689/1028

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1205502

LCS
A3B1205501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	23.50	25.00	94	90-110

690/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date : 11/13/[illegible] 11:21:47
Job No: A03-99[illegible]

K[illegible]C
SAMPLE DATE 10/14/2003

Rept: AN0364

SDG: 1003G2
Client Sample ID: W-5R W-5R W-5R
Lab Sample ID: A3997803 A3997803MS A3997803SD

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Concentration Spike Duplicate	Spike Amount MS	Spike Amount MSD	% Recovery MS	% Recovery MSD	% Recovery Avg	% RPD	QC LIMITS RPD	QC LIMITS REC.
WET CHEMISTRY ANALYSIS												
325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	26.53	35.35	35.59	10.0	10.0	88	91	90	3	20.0	74-131
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	55.00	124.8	126.8	50.00	50.00	140 *	144 *	142	3	20.0	70-120
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	0	0.952	0.935	1.00	1.00	95	94	95	1	20.0	77-123
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	117.7	182.7	198.0	198.0	59	92	76	44 *	20.0	22-178
METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	8.57	22.55	21.98	20.00	20.00	70	67	69	4	20.0	54-131
METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.00690	0.153	0.101	0.100	0.100	146 *	95	121	42 *	20.0	60-143

691/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1172602

LCS
A3B1172601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.71	2.50	109	90-110

697/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1178202

LCS
A3B1178201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.35	2.50	94	90-110

693/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1184702 A3B1184701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.39	2.50	96	90-110

694/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1181402

LCS
A3B1181401

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	504.0	500.0	101	85-115

695/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1186502
LCS
A3B1186501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	482.0	500.0	96	85-115

696/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1193702

LCS
A3B1193701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	455.0	500.0	91	85-115

697/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1198102 A3B1198101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	513.0	500.0	103	85-115

698/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
lient Sample ID: Method Blank LCS
Lab Sample ID: A3B1204802 A3B1204801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	491.0	500.0	98	85-115

699/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1197302

LCS
A3B1197301

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	57.37	60.00	96	90-110

700/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1197402 A3B1197401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	55.84	60.00	93	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2

Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1212902 A3B1212901

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	54.93	60.00	92	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

702/1028

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1214902 A3B1214901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	56.81	60.00	95	90-110

703/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1215002 A3B1215001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	54.79	60.00	91	90-110

704/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SAMPLE DATE 10/14/2003

SDG: 1003G2

Client Sample ID:	W-5R	W-5R	
Lab Sample ID:	A3997803	A3997803SD	A3997803SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	50.98	134.6	134.6	100.0	100.0	84	84	84	0	20.0	75-125

705/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2

Client Sample ID:	W-5R	W-5R	W-5R
Lab Sample ID:	A3997803SD	A3997803SD	A3997803SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS												
METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	96.21	96.21	96.21	100.0	0	0 *	0 *	0	0	20.0	75-125

706/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1201803

LCS
A3B1201801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	109.1	100.0	109	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

707/1028

SDG: 1003G2
Client Sample ID: Method Blank
Lab Sample ID: A3B1209806
LCS
A3B1209804

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	109.1	100.0	109	75-125

708/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1214203 A3B1214201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	109.1	100.0	109	75-125

709/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1220103 A3B1220101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	116.0	100.0	116	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

710/1028

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1223403 A3B1223401

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	116.0	100.0	116	75-125

711/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1203702 A3B1203701

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0511	0.0500	102	90-110

712/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
lient Sample ID: Method Blank
Lab Sample ID: A3B1235002

LCS
A3B1235001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0550	0.0500	110	90-110

713/1028

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003G2
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1240402 A3B1240401

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0462	0.0500	91	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

714/1028

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1177002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/15/2003 Time Analyzed (1): 08:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/15/2003	08:00
2	GEI-3G	A3990001	10/15/2003	08:00
3	GEI-5G	A3990002	10/15/2003	08:00
4	LCS	A3B1177001	10/15/2003	08:00
5	WE-5S	A3990003	10/15/2003	08:00
6	WE-6R	A3990004	10/15/2003	08:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1181202 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 07:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/16/2003	07:00
2	FB101503	A3A00706	10/16/2003	07:00
3	GEI-10G	A3A00701	10/16/2003	07:00
4	GEI-6G	A3997801	10/16/2003	07:00
5	GEI-6S	A3997802	10/16/2003	07:00
6	LCS	A3B1181201	10/16/2003	07:00
7	W-5R	A3997803	10/16/2003	07:00
8	W-5R	A3997803MS	10/16/2003	07:00
9	W-5R	A3997803SD	10/16/2003	07:00
10	WE-10R	A3A00702	10/16/2003	07:00
11	WE-10S	A3A00703	10/16/2003	07:00
12	WE-7R	A3A00704	10/16/2003	07:00
13	WE-7S	A3A00705	10/16/2003	07:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1176802 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/15/2003 Time Analyzed (1): 15:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	LCS	A3B1176801	10/15/2003	15:00
2	WE-5S	A3990003	10/15/2003	15:00
3	WE-6R	A3990004	10/15/2003	15:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1177202 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/15/2003 Time Analyzed (1): 15:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/15/2003	15:00
2	GEI-3G	A3990001	10/15/2003	15:00
3	LCS	A3B1177201	10/15/2003	15:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1181602 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 12:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/16/2003	12:30
2	GEI-5G	A3990002	10/16/2003	12:30
3	LCS	A3B1181601	10/16/2003	12:30
4	W-5R	A3997803	10/16/2003	12:30
5	W-5R	A3997803MS	10/16/2003	12:30
6	W-5R	A3997803SD	10/16/2003	12:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1181702 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 12:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-6G	A3997801	10/16/2003	12:30
2	GEI-6S	A3997802	10/16/2003	12:30
3	LCS	A3B1181701	10/16/2003	12:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1200802 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 11:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/21/2003	11:00
2	LCS	A3B1200801	10/21/2003	11:00
3	WE-10S	A3A00703	10/21/2003	11:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1201002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 11:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-10G	A3A00701	10/21/2003	11:00
2	LCS	A3B1201001	10/21/2003	11:00
3	WE-7S	A3A00705	10/21/2003	11:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1206502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 14:45

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	LCS	A3B1206501	10/22/2003	14:45
2	WE-10R	A3A00702	10/22/2003	14:45
3	WE-7R	A3A00704	10/22/2003	14:45

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1183502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 13:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/16/2003	13:35
2	FB101403	A3997804	10/16/2003	13:35
3	GEI-3G	A3990001	10/16/2003	13:35
4	GEI-5G	A3990002	10/16/2003	13:35
5	GEI-6G	A3997801	10/16/2003	13:35
6	GEI-6S	A3997802	10/16/2003	13:35
7	LCS	A3B1183501	10/16/2003	13:35
8	W-5R	A3997803	10/16/2003	13:35
9	W-5R	A3997803MS	10/16/2003	13:35
10	W-5R	A3997803SD	10/16/2003	13:35
11	WE-5S	A3990003	10/16/2003	13:35
12	WE-6R	A3990004	10/16/2003	13:35

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1205502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 11:01

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/22/2003	11:01
2	GEI-10G	A3A00701	10/22/2003	11:01
3	LCS	A3B1205501	10/22/2003	11:01
4	WE-10R	A3A00702	10/22/2003	11:01
5	WE-10S	A3A00703	10/22/2003	11:01
6	WE-7R	A3A00704	10/22/2003	11:01
7	WE-7S	A3A00705	10/22/2003	11:01

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1181402 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 12:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/16/2003	12:00
2	GEI-3G	A3990001	10/16/2003	12:00
3	LCS	A3B1181401	10/16/2003	12:00
4	WE-5S	A3990003	10/16/2003	12:00
5	WE-6R	A3990004	10/16/2003	12:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1204802 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 10:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/22/2003	10:00
2	LCS	A3B1204801	10/22/2003	10:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1172602 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/14/2003 Time Analyzed (1): 22:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/14/2003	22:00
2	GEI-3G	A3990001	10/14/2003	22:00
3	GEI-5G	A3990002	10/14/2003	22:00
4	LCS	A3B1172601	10/14/2003	22:00
5	WE-5S	A3990003	10/14/2003	22:00
6	WE-6R	A3990004	10/14/2003	22:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1178202 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/15/2003 Time Analyzed (1): 22:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/15/2003	22:00
2	GEI-6G	A3997801	10/15/2003	22:00
3	GEI-6S	A3997802	10/15/2003	22:00
4	LCS	A3B1178201	10/15/2003	22:00
5	W-5R	A3997803	10/15/2003	22:00
6	W-5R	A3997803MS	10/15/2003	22:00
7	W-5R	A3997803SD	10/15/2003	22:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1184702 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 21:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/16/2003	21:00
2	GEI-10G	A3A00701	10/16/2003	21:00
3	LCS	A3B1184701	10/16/2003	21:00
4	WE-10R	A3A00702	10/16/2003	21:00
5	WE-10S	A3A00703	10/16/2003	21:00
6	WE-7R	A3A00704	10/16/2003	21:00
7	WE-7S	A3A00705	10/16/2003	21:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1186502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/17/2003 Time Analyzed (1): 07:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-6G	A3997801	10/17/2003	07:30
2	GEI-6S	A3997802	10/17/2003	07:30
3	LCS	A3B1186501	10/17/2003	07:30
4	W-5R	A3997803	10/17/2003	07:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1193702 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/20/2003 Time Analyzed (1): 10:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-10G	A3A00701	10/20/2003	10:30
2	GEI-5G	A3990002	10/20/2003	10:30
3	LCS	A3B1193701	10/20/2003	10:30
4	WE-10R	A3A00702	10/20/2003	10:30
5	WE-10S	A3A00703	10/20/2003	10:30
6	WE-7R	A3A00704	10/20/2003	10:30
7	WE-7S	A3A00705	10/20/2003	10:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1198102 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/20/2003 Time Analyzed (1): 17:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/20/2003	17:00
2	LCS	A3B1198101	10/20/2003	17:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1197302 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/20/2003 Time Analyzed (1): 16:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/20/2003	16:00
2	GEI-3G	A3990001	10/20/2003	16:00
3	GEI-5G	A3990002	10/20/2003	16:00
4	LCS	A3B1197301	10/20/2003	16:00
5	WE-5S	A3990003	10/20/2003	16:00
6	WE-6R	A3990004	10/20/2003	16:00

omments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1197402 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/20/2003 Time Analyzed (1): 16:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-6S	A3997802	10/20/2003	16:00
2	LCS	A3B1197401	10/20/2003	16:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1212902 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/22/2003 Time Analyzed (1): 13:10

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/22/2003	13:10
2	LCS	A3B1212901	10/22/2003	13:10
3	W-5R	A3997803	10/22/2003	13:10
4	W-5R	A3997803MS	10/22/2003	13:10
5	W-5R	A3997803SD	10/22/2003	13:10

omments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1214902 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/23/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/23/2003	15:30
2	GEI-10G	A3A00701	10/23/2003	15:30
3	LCS	A3B1214901	10/23/2003	15:30
4	WE-10R	A3A00702	10/23/2003	15:30
5	WE-10S	A3A00703	10/23/2003	15:30
6	WE-7R	A3A00704	10/23/2003	15:30
7	WE-7S	A3A00705	10/23/2003	15:30

Comments: _____

738/1028

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1215002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/23/2003 Time Analyzed (1): 14:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	GEI-6G	A3997801	10/23/2003	14:47
2	LCS	A3B1215001	10/23/2003	14:47

Comments: _____

FORM IV

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1201803 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1201802	10/21/2003	15:30
2	GEI-3G	A3990001	10/21/2003	15:30
3	LCS	A3B1201801	10/21/2003	15:30
4	WE-6R	A3990004	10/21/2003	15:30

Comments: _____

740/1028

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1209806 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1209805	10/22/2003	15:30
2	FB101303	A3990005	10/22/2003	15:30
3	FB101403	A3997804	10/22/2003	15:30
4	GEI-5G	A3990002	10/22/2003	15:30
5	LCS	A3B1209804	10/22/2003	15:30
6	WE-5S	A3990003	10/22/2003	15:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1214203 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/23/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1214202	10/23/2003	15:30
2	GEI-6G	A3997801	10/23/2003	15:30
3	GEI-6S	A3997802	10/23/2003	15:30
4	LCS	A3B1214201	10/23/2003	15:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1220103 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/24/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1220102	10/24/2003	15:30
2	LCS	A3B1220101	10/24/2003	15:30
3	W-5R	A3997803	10/24/2003	15:30
4	W-5R	A3997803MS	10/24/2003	15:30
5	W-5R	A3997803SD	10/24/2003	15:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1223403 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/25/2003 Time Analyzed (1): 14:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1223402	10/25/2003	14:30
2	FB101503	A3A00706	10/25/2003	14:30
3	GEI-10G	A3A00701	10/25/2003	14:30
4	LCS	A3B1223401	10/25/2003	14:30
5	WE-10R	A3A00702	10/25/2003	14:30
6	WE-10S	A3A00703	10/25/2003	14:30
7	WE-7R	A3A00704	10/25/2003	14:30
8	WE-7S	A3A00705	10/25/2003	14:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

ab Sample ID: A3B1203702 Lab File ID: _____

atrix: (soil/water) WATER Instrument ID (1): _____

ate Analyzed (1): 10/21/2003 Time Analyzed (1): 19:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101403	A3997804	10/21/2003	19:02
2	GEI-3G	A3990001	10/21/2003	19:02
3	GEI-5G	A3990002	10/21/2003	19:02
4	GEI-6S	A3997802	10/21/2003	19:02
5	LCS	A3B1203701	10/21/2003	19:02

omments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1235002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/28/2003 Time Analyzed (1): 20:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101303	A3990005	10/28/2003	20:20
2	GEI-6G	A3997801	10/28/2003	20:20
3	LCS	A3B1235001	10/28/2003	20:20
4	W-5R	A3997803	10/28/2003	20:20
5	W-5R	A3997803MS	10/28/2003	20:20
6	W-5R	A3997803SD	10/28/2003	20:20
7	WE-5S	A3990003	10/28/2003	20:20
8	WE-6R	A3990004	10/28/2003	20:20

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003G2

Lab Sample ID: A3B1240402 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/29/2003 Time Analyzed (1): 18:08

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FB101503	A3A00706	10/29/2003	18:08
2	GEI-10G	A3A00701	10/29/2003	18:08
3	LCS	A3B1240401	10/29/2003	18:08
4	WE-10R	A3A00702	10/29/2003	18:08
5	WE-10S	A3A00703	10/29/2003	18:08
6	WE-7R	A3A00704	10/29/2003	18:08
7	WE-7S	A3A00705	10/29/2003	18:08

Comments: _____

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 96548

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

November 9, 2003

Ms. Pat Filey
Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Re: Laboratory Project No.: 23012
Case: 23012 ETR: 96548

Dear Ms. Filey:

Enclosed are the analytical results of samples received intact by Severn Trent Laboratories on October 15, 2003. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/15/03	ETR No: 96548	
546373	GEI-3G	10/13/03	Water
546374	GEI-5G	10/13/03	Water
546375	WE-5S	10/13/30	Water
546376	WE-6R	10/13/03	Water
546377	FB101303	10/13/03	Water

Documentation that identifies the condition of the samples at the time of sample receipt and the issues arising at the time of sample log-in is included in the Sample Handling section of this submittal.

RSK-175 – Dissolved Gases:
The volatile analyses of the field samples GEI-3G, GEI-5G and WE-5S were accomplished at dilutions in order to provide quantitation for all target analytes within the calibration range of the instrument. The results of the dilution analyses were within the calibration range.

Please note that no exceptions to the method prescribed quality control criteria were observed during the analyses of the samples in this delivery group.

Client specified matrix spike/matrix spike duplicate samples were not analyzed or requested with the above samples. However, routine method quality control analyses were performed.

If there are any questions regarding this submittal, please contact Ron Pentkowski at (802) 655-1203.

This report shall not be reproduced, except in full, without the written approval of the laboratory. This report is sequentially numbered starting with page 0001 and ending with page 0069.

I certify that this package is in compliance with the NELAC requirements, both technically and for completeness, for other than the conditions detailed above. The release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

0001B - last alpha

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 014

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-3G	A3990401	GW	RSK	3-40mlV	10/13/2003 11:50
GEI-5G	A3990402	GW	RSK	3-40mlV	10/13/2003 13:28
WE-5S	A3990403	GW	RSK	3-40mlV	10/13/2003 14:06
WE-6R	A3990404	GW	RSK	3-40mlV	10/13/2003 10:15
FB101303	A3990405	WATER	RSK	3-40mlV	10/13/2003 08:15

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Vermont: Signature(s)	Date	Time
(1)	/ /20		(3)	/ /20	
(2)	/ /20		(4) [signature]	10/15/20	0930

750/1028

Job No: A03-9904 Waste Management - Closed Sites
Project/Task: NY0A8575.2 2 Kin-Buc Monitoring Plan - Groundwater
Test No: CIA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

SEVERN TRENT STL

RSK-175

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-3G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: 546373

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23OCT030711-R121

Level: (low/med) LOW Date Received: 10/15/03

% Moisture: not dec. _____ Date Analyzed: 10/23/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 40.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	7000	
74-84-0	Ethane	160	U
74-85-1	Ethene	120	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-5G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: 546374

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23OCT030711-R131

Level: (low/med) LOW Date Received: 10/15/03

% Moisture: not dec. _____ Date Analyzed: 10/23/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	4600	
74-84-0	Ethane	80	U
74-85-1	Ethene	60	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: 546375

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23OCT030711-R141

Level: (low/med) LOW Date Received: 10/15/03

% Moisture: not dec. _____ Date Analyzed: 10/23/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 40.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	6200	
74-84-0	Ethane	160	U
74-85-1	Ethene	120	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-6R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: 546376

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23OCT030711-R041

Level: (low/med) LOW Date Received: 10/15/03

% Moisture: not dec. _____ Date Analyzed: 10/23/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	260	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FB101303

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: 546377

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23OCT030711-R051

Level: (low/med) LOW Date Received: 10/15/03

% Moisture: not dec. _____ Date Analyzed: 10/23/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKG3

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: ABLKG3

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22OCT031158-R041

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G3LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: G3LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22OCT031158-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	72	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G3LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: G3LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22OCT031158-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	72	
74-84-0	Ethane	140	
74-85-1	Ethene	120	

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix Spike - Sample No.: G3LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		72	99	70-130
Ethane	140		140	100	70-130
Ethene	130		130	100	70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	72	99	0	30	70-130
Ethane	140	140	100	0	30	70-130
Ethene	130	120	92	8	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKG3

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Lab File ID: 22OCT031158-R041 Lab Sample ID: ABLKG3

Date Analyzed: 10/22/03 Time Analyzed: 1232

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G3LCS	G3LCS	22OCT031158-	1222
02	G3LCSD	G3LCSD	22OCT031158-	1226
03	WE-6R	546376	23OCT030711-	0730
04	FB101303	546377	23OCT030711-	0734
05	GEI-3G	546373	23OCT030711-	0832
06	GEI-5G	546374	23OCT030711-	0836
07	WE-5S	546375	23OCT030711-	0840
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Instrument ID: 2866_1 Calibration Date(s): 09/29/03 09/29/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 0837 0856

LAB FILE ID: RF1: 29SEP030810-RRF2: 29SEP030810-RRF3: 29SEP030810-R
RF4: 29SEP030810-RRF5: 29SEP030810-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1387.234	1368.111	1419.685	1440.303	1398.209
Ethane	1075.281	1414.735	1396.772	1513.117	1430.624
Ethene	1457.831	1593.062	1636.244	1708.990	1589.234

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Instrument ID: 2866_1 Calibration Date(s): 09/29/03 09/29/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 0837 0856

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Methane	AVRG	1402.70844	2.0
Ethane	AVRG	1366.10594	12.3
Ethene	AVRG	1597.07234	5.7

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Instrument ID: 2866_1 Calibration Date: 10/22/03 Time: 1218

Lab File ID: 22OCT031158-R0 Init. Calib. Date(s): 09/29/03 09/29/03

Heated Purge: (Y/N) N Init. Calib. Times: 0837 0856

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1402.708	1408.370		0.4	30.0
Ethane	1366.106	1413.324		3.4	30.0
Ethene	1597.072	1652.236		3.4	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Instrument ID: 2866_1 Calibration Date: 10/23/03 Time: 0915

Lab File ID: 23OCT030859-R0 Init. Calib. Date(s): 09/29/03 09/29/03

Heated Purge: (Y/N) N Init. Calib. Times: 0837 0856

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1402.708	1780.753		27.0	30.0
Ethane	1366.106	1708.853		25.1	30.0
Ethene	1597.072	2034.433		27.4	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

GC Column: RTUPLOT ID: 0.32 (mm) Init. Calib. Date(s): 09/29/03 09/29/03

Instrument ID: 2866_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	09/29/03	0837		
02	CAL2	CAL2	09/29/03	0841		
03	CAL3	CAL3	09/29/03	0845		
04	CAL4	CAL4	09/29/03	0852		
05	CAL5	CAL5	09/29/03	0856		
06	CCV	CCV	10/22/03	1218		
07	G3LCS	G3LCS	10/22/03	1222		
08	G3LCSD	G3LCSD	10/22/03	1226		
09	ABLKG3	ABLKG3	10/22/03	1232		
10	WE-6R	546376	10/23/03	0730		
11	FB101303	546377	10/23/03	0734		
12	GEI-3G	546373	10/23/03	0832		
13	GEI-5G	546374	10/23/03	0836		
14	WE-5S	546375	10/23/03	0840		
15	CCV	CCV	10/23/03	0915		
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

STL Burlington
Colchester, Vermont

Extended Data Package

SDG: 96548

SEVERN TRENT STL

NARRATIVE

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

November 9, 2003

Ms. Pat Filey
Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Re: Laboratory Project No.: 23012
Case: 23012 ETR: 96548

Dear Ms. Filey:

Enclosed are the analytical results of samples received intact by Severn Trent Laboratories on October 15, 2003. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/15/03 ETR No: 96548		
546373	GEI-3G	10/13/03	Water
546374	GEI-5G	10/13/03	Water
546375	WE-5S	10/13/30	Water
546376	WE-6R	10/13/03	Water
546377	FB101303	10/13/03	Water

Documentation that identifies the condition of the samples at the time of sample receipt and the issues arising at the time of sample log-in is included in the Sample Handling section of this submittal.

RSK-175 – Dissolved Gases:
The volatile analyses of the field samples GEI-3G, GEI-5G and WE-5S were accomplished at dilutions in order to provide quantitation for all target analytes within the calibration range of the instrument. The results of the dilution analyses were within the calibration range.

Please note that no exceptions to the method prescribed quality control criteria were observed during the analyses of the samples in this delivery group.

Client specified matrix spike/matrix spike duplicate samples were not analyzed or requested with the above samples. However, routine method quality control analyses were performed.

If there are any questions regarding this submittal, please contact Ron Pentkowski at (802) 655-1203.

This report shall not be reproduced, except in full, without the written approval of the laboratory.
This report is sequentially numbered starting with page 0001 and ending with page 0069.

I certify that this package is in compliance with the NELAC requirements, both technically and for completeness, for other than the conditions detailed above. The release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

0001B - last alpha

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

*: Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

Job No: A03-9904 Waste Management - Closed Sites
Project/Task: NY0A8575.2 2 Kin-Buc Monitoring Plan - Groundwater
Test No: CTA10847

Fraction: GV
Method: RSK175
Protocol: OTHER
Test Matrix: Water
Level: L
GC Second Column: N
TCLP: N
Spike Code: A00258
SUR/IS Code: NONE NONE
TDL Calculation: ADL/CDL

Holding Type: S
TCLP Extraction: 0.00 Days
Pre-Conc: 0.00 Days
Extraction: 0.00 Days
Analysis: 14.00 Days
Prep Type: N
Extr:
GPC Cleanup?: N
Units of Measure: UG/L

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

SEVERN TRENT STL

RSK-175

QC SUMMARY

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix Spike - Sample No.: G3LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		72	99	70-130
Ethane	140		140	100	70-130
Ethene	130		130	100	70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	72	99	0	30	70-130
Ethane	140	140	100	0	30	70-130
Ethene	130	120	92	8	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

GC Column: RTUPLOT ID: 0.32 (mm) Init. Calib. Date(s): 09/29/03 09/29/03

Instrument ID: 2866_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION			
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01	CAL1	CAL1	09/29/03	0837				
02	CAL2	CAL2	09/29/03	0841				
03	CAL3	CAL3	09/29/03	0845				
04	CAL4	CAL4	09/29/03	0852				
05	CAL5	CAL5	09/29/03	0856				
06	CCV	CCV	10/22/03	1218				
07	G3LCS	G3LCS	10/22/03	1222				
08	G3LCSD	G3LCSD	10/22/03	1226				
09	ABLKG3	ABLKG3	10/22/03	1232				
10	WE-6R	546376	10/23/03	0730				
11	FB101303	546377	10/23/03	0734				
12	GEI-3G	546373	10/23/03	0832				
13	GEI-5G	546374	10/23/03	0836				
14	WE-5S	546375	10/23/03	0840				
15	CCV	CCV	10/23/03	0915				
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

SEVERN TRENT STL

RSK-175

SUPPORTIVE DOCUMENTATION

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FB101303

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: 546377

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23OCT030711-R051

Level: (low/med) LOW Date Received: 10/15/03

% Moisture: not dec. _____ Date Analyzed: 10/23/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/22OCT03RSK.b/23oct030711-r051.d
Lab Smp Id: 546377 Client Smp ID: FB101303
Inj Date : 23-OCT-2003 07:34
Operator : JKN Inst ID: 2866_1.i
Smp Info : FB101303 :[ ]10/13/03 @0815(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/22OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 20:49 jd1 Quant Type: ESTD
Cal Date : 29-SEP-2003 08:56 Cal File: 29sep030810-r051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

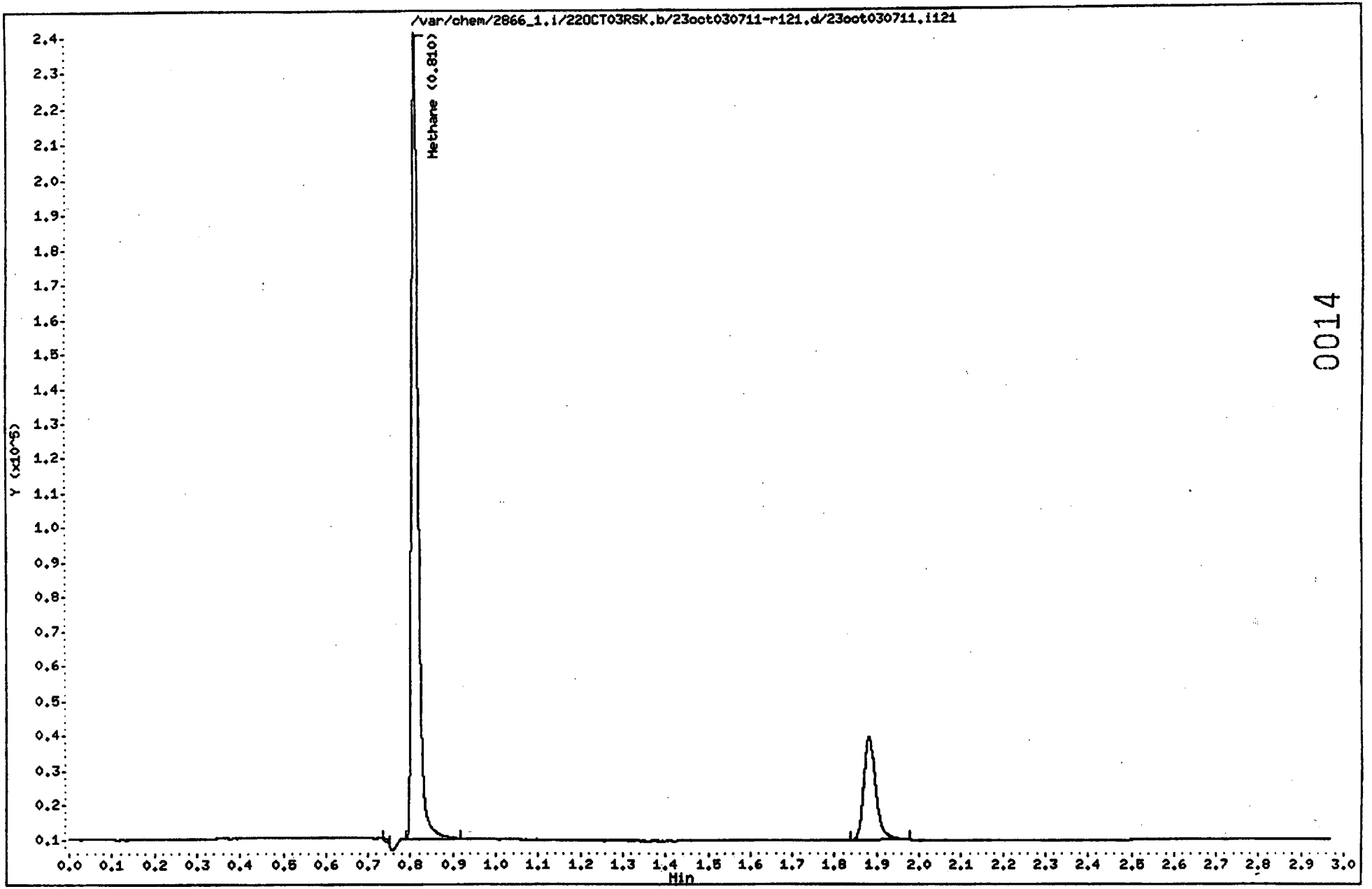
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Data File: /var/chem/2866_1.i/22OCT03RSK.b/23oct030711-r121.d
Date : 23-OCT-2003 08:32
Client ID: GEI-3G
Sample Info: GEI-3G :[ ]10/13/03 @1150(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



0014

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-5G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: 546374

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23OCT030711-R131

Level: (low/med) LOW Date Received: 10/15/03

% Moisture: not dec. _____ Date Analyzed: 10/23/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	4600	
74-84-0	Ethane	80	U
74-85-1	Ethene	60	U

Data File: /var/chem/2866_1.i/22OCT03RSK.b/23oct030711-r131.d Page 1
Report Date: 03-Nov-2003 20:49

STL Burlington

Data file : /var/chem/2866_1.i/22OCT03RSK.b/23oct030711-r131.d
Lab Smp Id: 546374 Client Smp ID: GEI-5G
Inj Date : 23-OCT-2003 08:36
Operator : JKN Inst ID: 2866_1.i
Smp Info : GEI-5G :[ ]10/13/03 @1328(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/22OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 20:49 jd1 Quant Type: ESTD
Cal Date : 29-SEP-2003 08:56 Cal File: 29sep030810-r051.d
Als bottle: 1
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	20.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.816	0.798	0.018	324478	231.322	4600(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

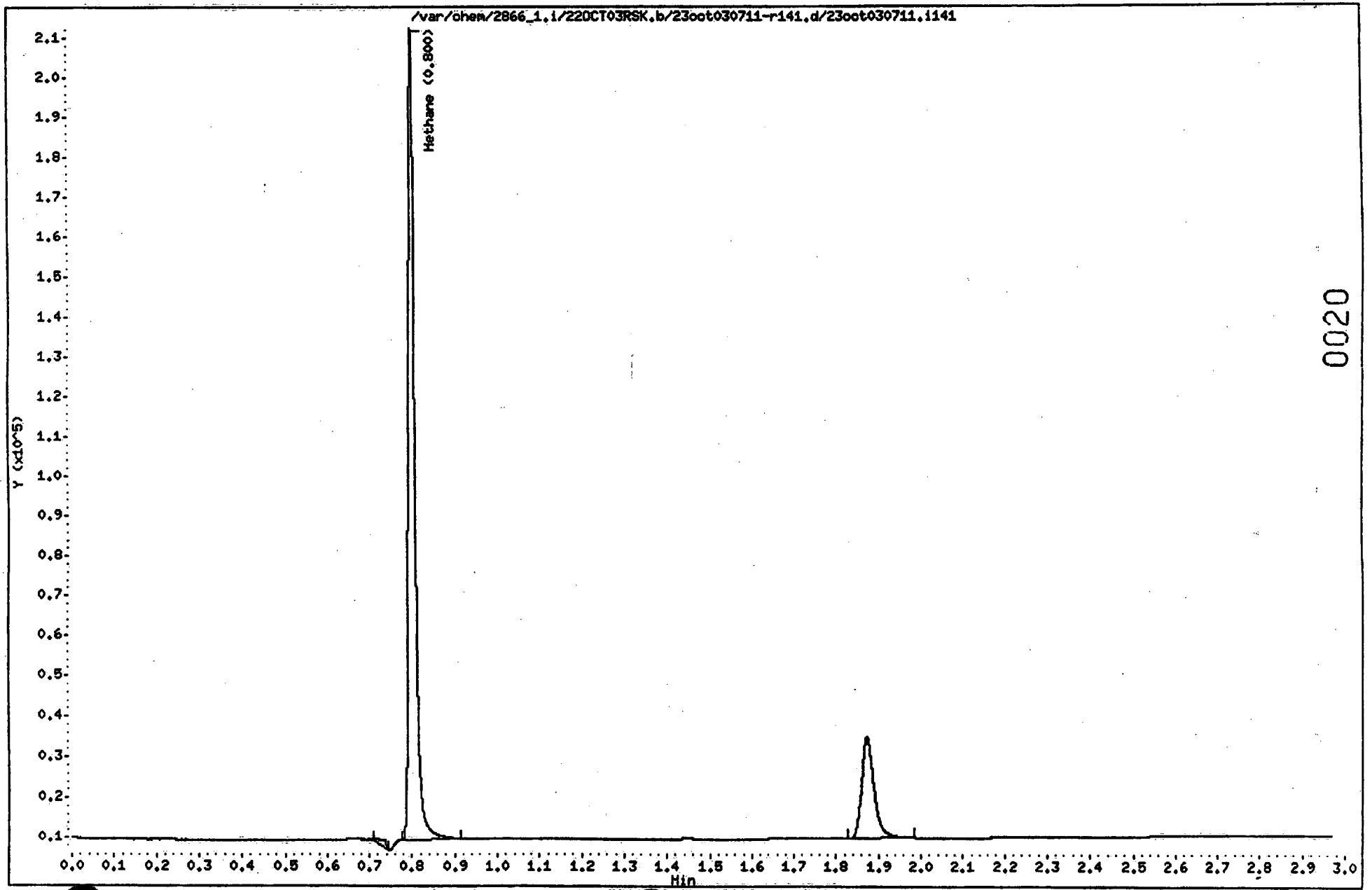
M - Compound response manually integrated.

Data File: /var/chem/2866_1.i/220CT03RSK.b/23oct030711-r141.d
Date : 23-OCT-2003 08:40
Client ID: WE-6S
Sample Info: WE-6S :[110/13/30 @1406(Water)

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

783/1028



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-6R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: 546376

Sample wt/vol: _____ (g/mL) ML Lab File ID: 23OCT030711-R041

Level: (low/med) LOW Date Received: 10/15/03

% Moisture: not dec. _____ Date Analyzed: 10/23/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	260	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/22OCT03RSK.b/23oct030711-r041.d
Lab Smp Id: 546376 Client Smp ID: WE-6R
Inj Date : 23-OCT-2003 07:30
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-6R :[ ]10/13/03 @1015(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/22OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 20:49 jd1 Quant Type: ESTD
Cal Date : 29-SEP-2003 08:56 Cal File: 29sep030810-r051.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.803	0.798	0.005	358677	255.703	260(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

SEVERN TRENT STL

RSK-175

STANDARDS

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Instrument ID: 2866_1 Calibration Date(s): 09/29/03 09/29/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 0837 0856

LAB FILE ID: RF1: 29SEP030810-RRF2: 29SEP030810-RRF3: 29SEP030810-R
RF4: 29SEP030810-RRF5: 29SEP030810-R

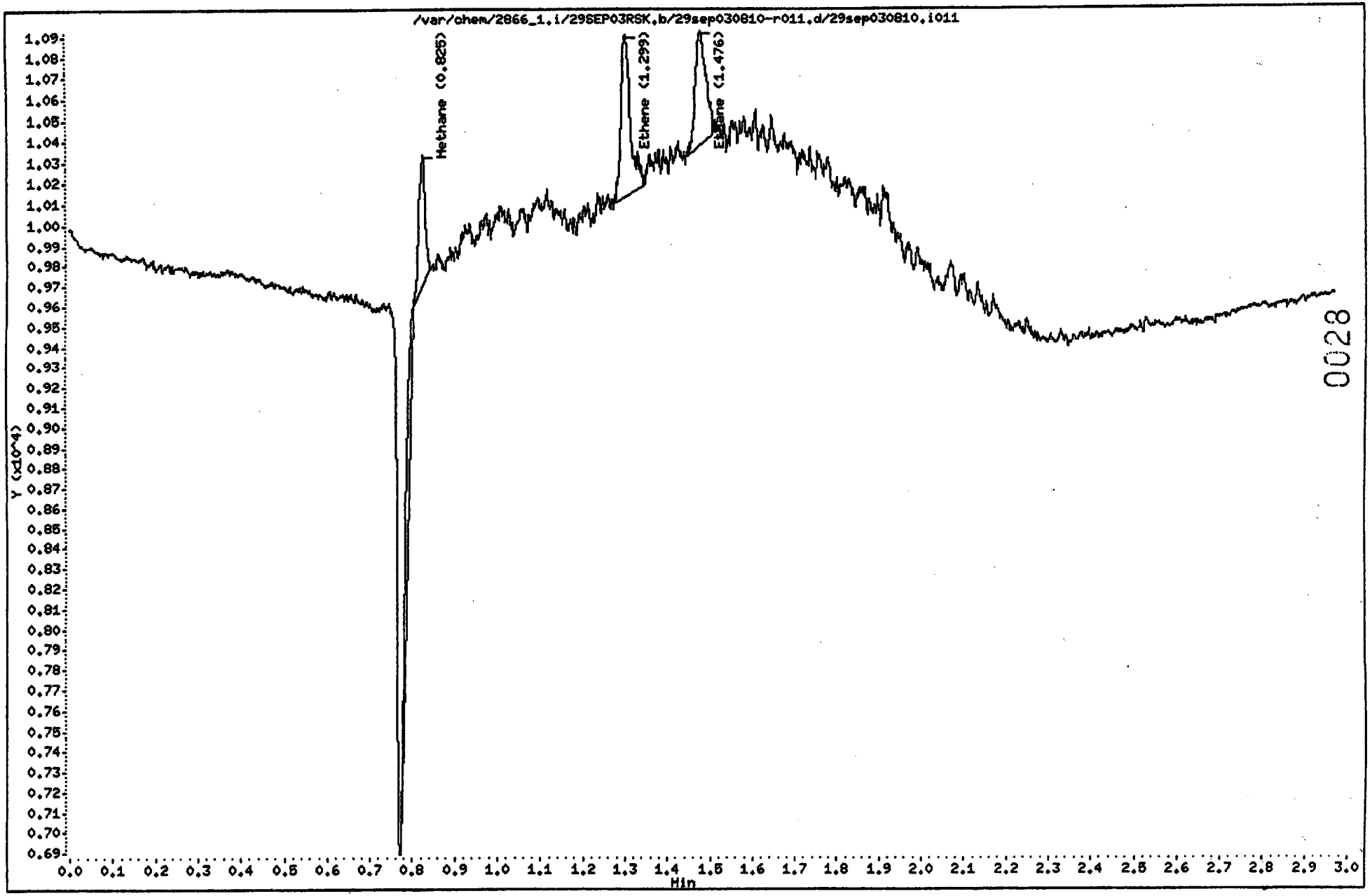
COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1387.234	1368.111	1419.685	1440.303	1398.209
Ethane	1075.281	1414.735	1396.772	1513.117	1430.624
Ethene	1457.831	1593.062	1636.244	1708.990	1589.234

[redacted]ile: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r011.d
Date : 29-SEP-2003 08:37
Client ID: CAL1
Sample Info: CAL1,CAL1,,,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



Data File: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r021.d

Date : 29-SEP-2003 08:41

Client ID: CAL2

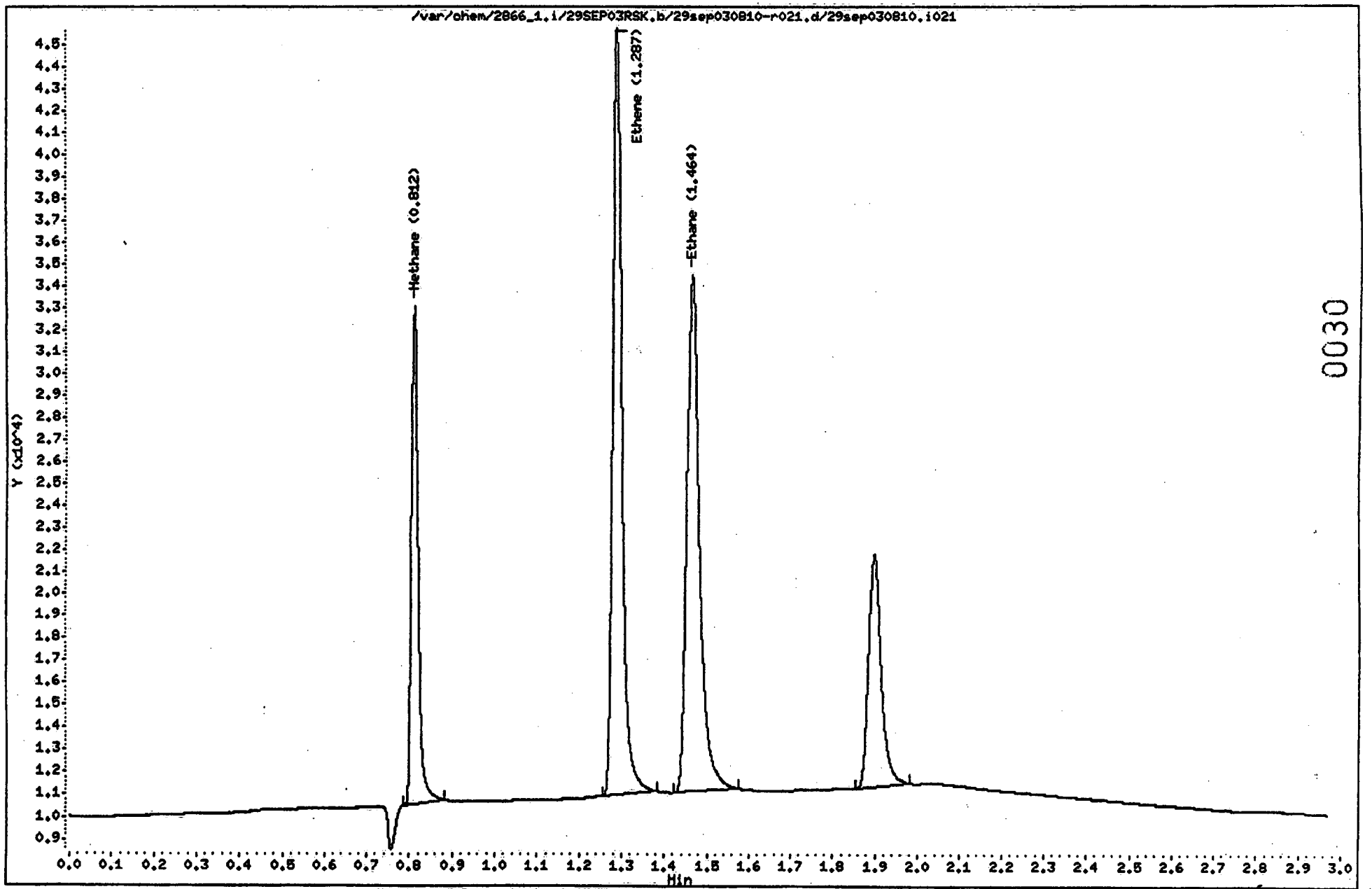
Instrument: 2866_1.i

Sample Info: CAL2,CAL2,,,1

Operator: JKN

Column phase: RTUPLOT

Column diameter: 0.32



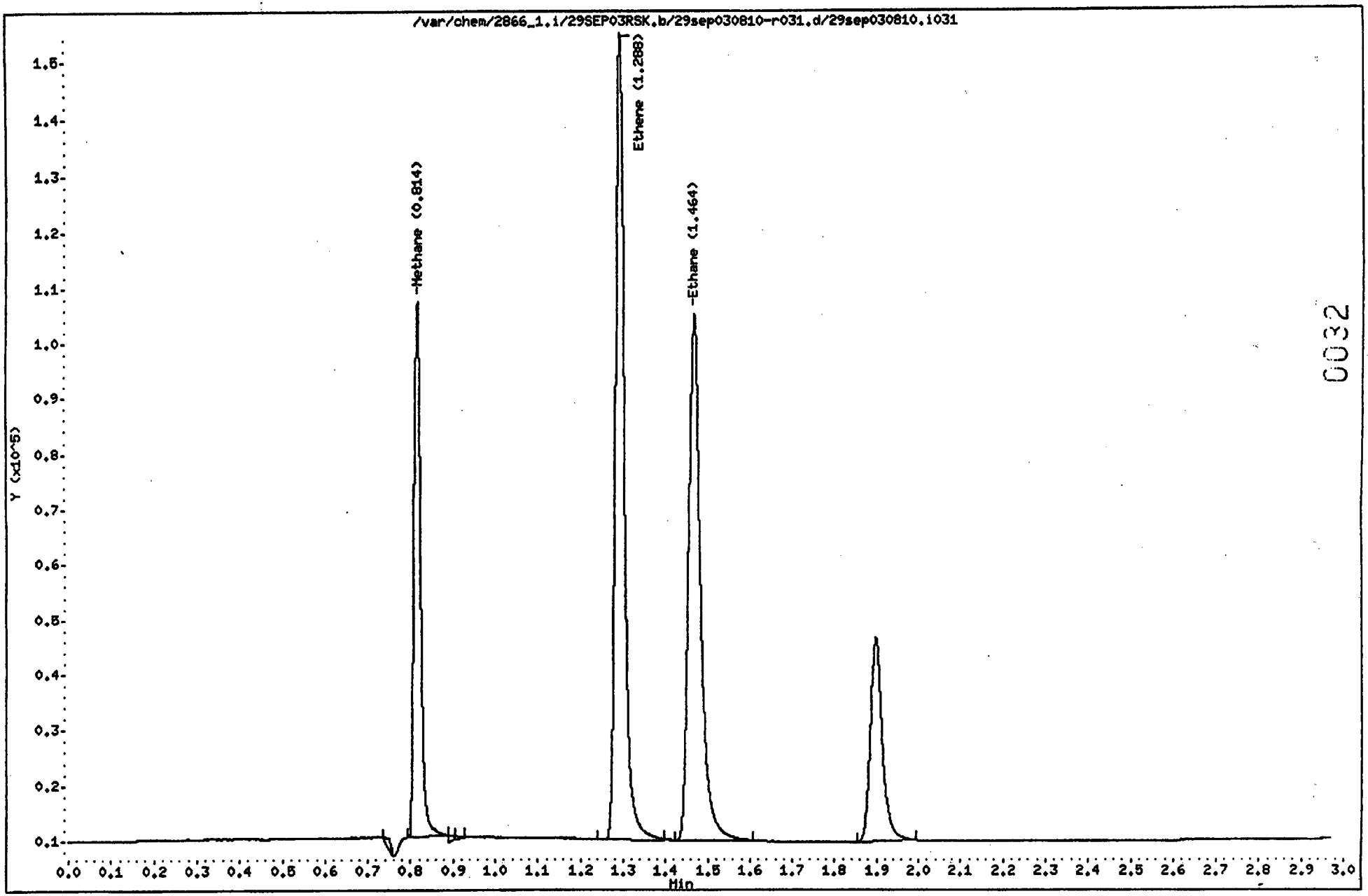
790/1028

[redacted]File: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r031.d
Date : 29-SEP-2003 08:45
Client ID: CAL3
Sample Info: CAL3,CAL3,,,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



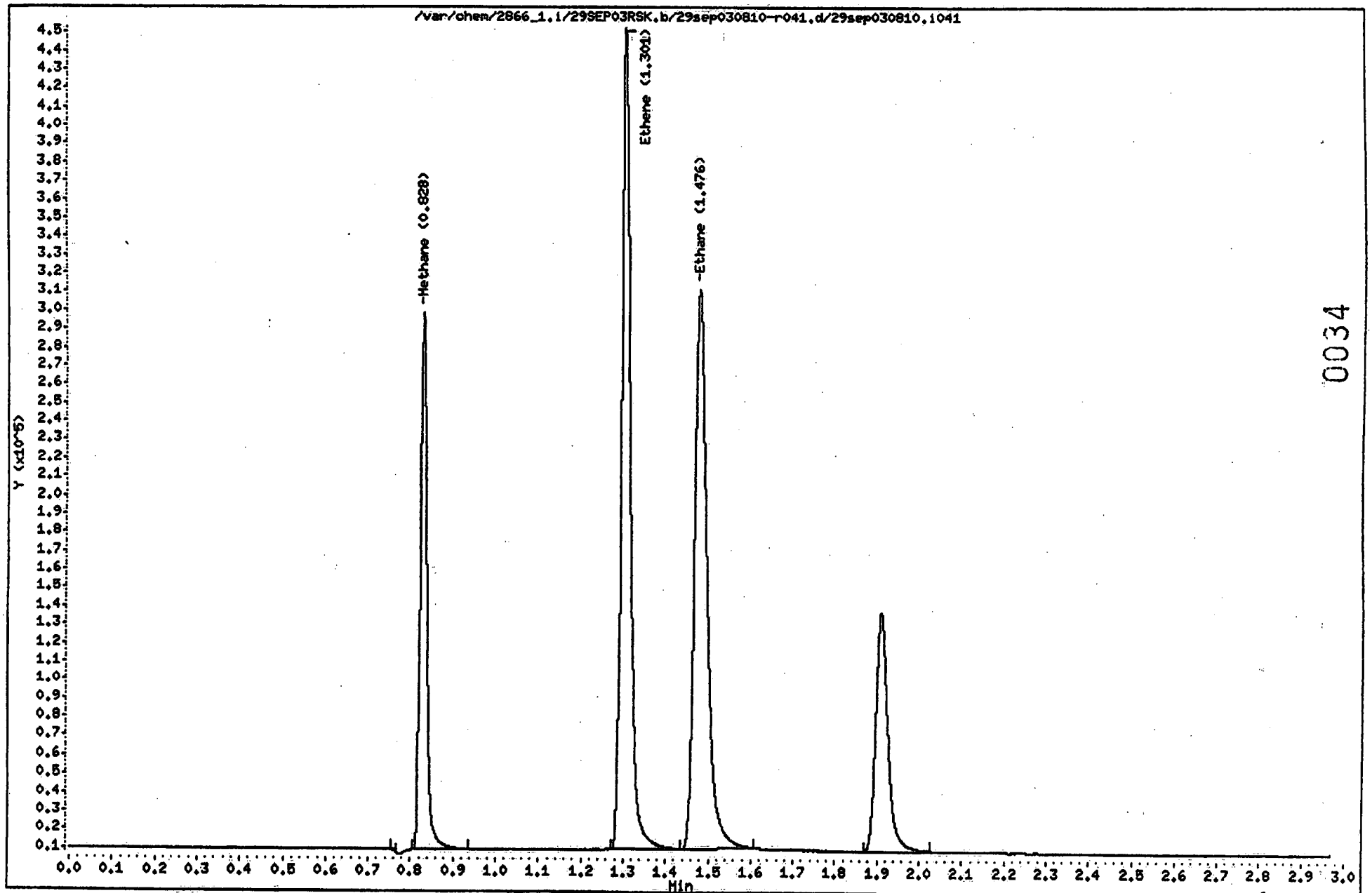
Data File: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r041.d
Date : 29-SEP-2003 08:52
Client ID: CAL4
Sample Info: CAL4,CAL4,,,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

791/1028

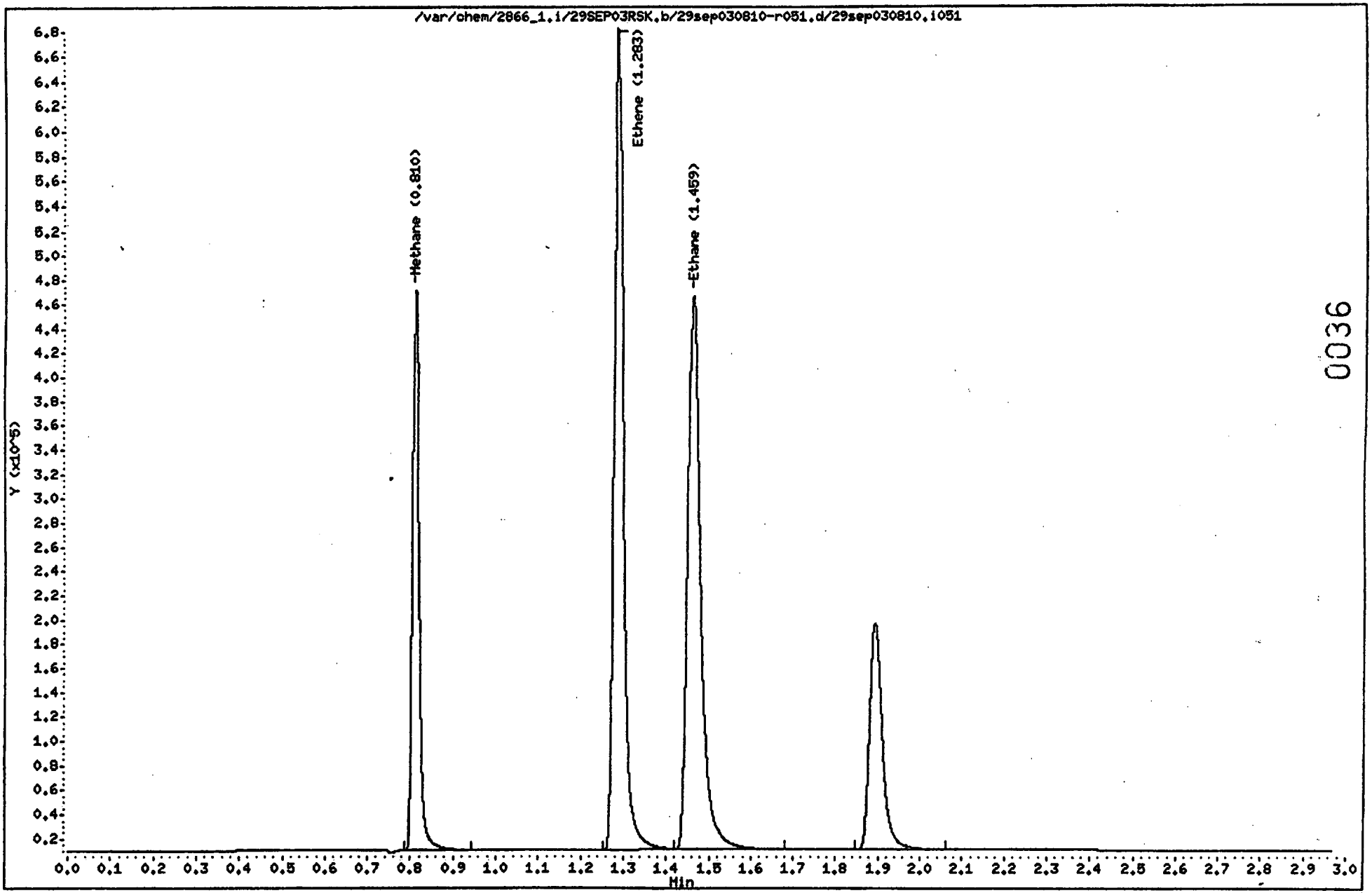


File: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r051.d
Date : 29-SEP-2003 08:56
Client ID: CAL5
Sample Info: CAL5,CAL5,,,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT



0036

STL Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 29-SEP-2003 08:37
End Cal Date : 29-SEP-2003 08:56
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/2866_1.i/29SEP03RSK.b/bRSK175.m
Cal Date : 03-Oct-2003 18:54 jd1
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r011.d
Level 2: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r021.d
Level 3: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r031.d
Level 4: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r041.d
Level 5: /var/chem/2866_1.i/29SEP03RSK.b/29sep030810-r051.d

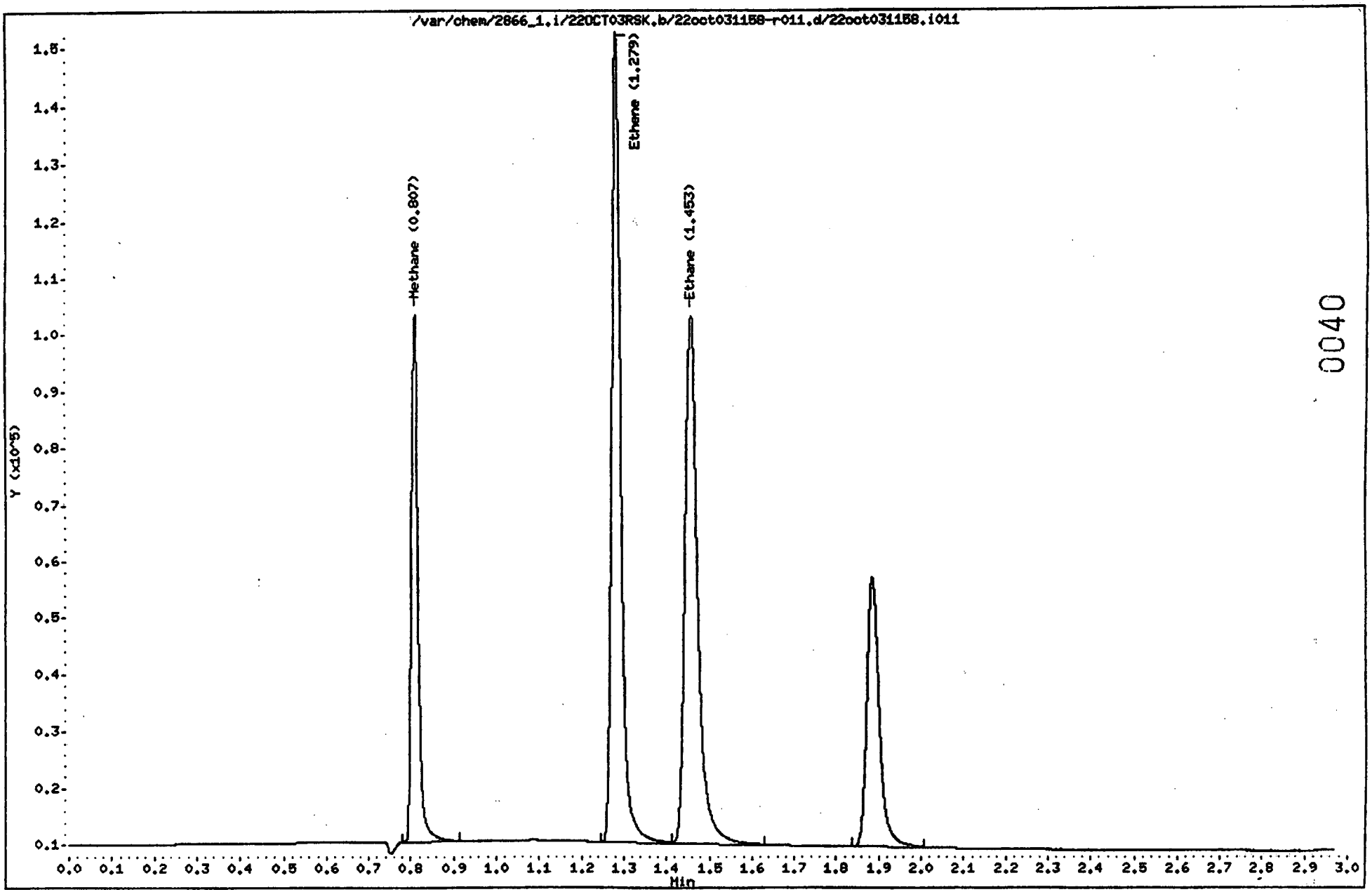
Compound	1.000 Level 1	2.000 Level 2	3.000 Level 3	4.000 Level 4	5.000 Level 5	___ RRF	% RSD
1 Methane	1387	1368	1420	1440	1398	1403	2.003
2 Ethene	1458	1593	1636	1709	1589	1597	5.732
3 Ethane	1075	1415	1397	1513	1431	1366	12.339
4 Acetylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Data File: /var/chem/2866_1.i/22OCT03RSK.b/22oct031158-r011.d
Date : 22-OCT-2003 12:18
Client ID: CCV
Sample Info: CCV,1022C3,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT



Data File: /var/chem/2866_1.i/22OCT03RSK.b/22oct031158-r01 Page 2
Report Date: 03-Nov-2003 20:49

STL Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 2866_1.i Injection Date: 22-OCT-2003 12:18
Lab File ID: 22oct031158-r01 Init. Cal. Date(s): 29-SEP-2003 29-SEP-2003
Analysis Type: WATER Init. Cal. Times: 08:37 08:56
Lab Sample ID: CCV Quant Type: ESTD
Method: /var/chem/2866_1.i/22OCT03RSK.b/bRSK175.m

COMPOUND	RRF / AMOUNT	RF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	1403	1408	0.000	-0.40361	30.00000	Averaged
2 Ethene	1597	1652	0.000	-3.45406	30.00000	Averaged
3 Ethane	1366	1413	0.000	-3.45636	30.00000	Averaged

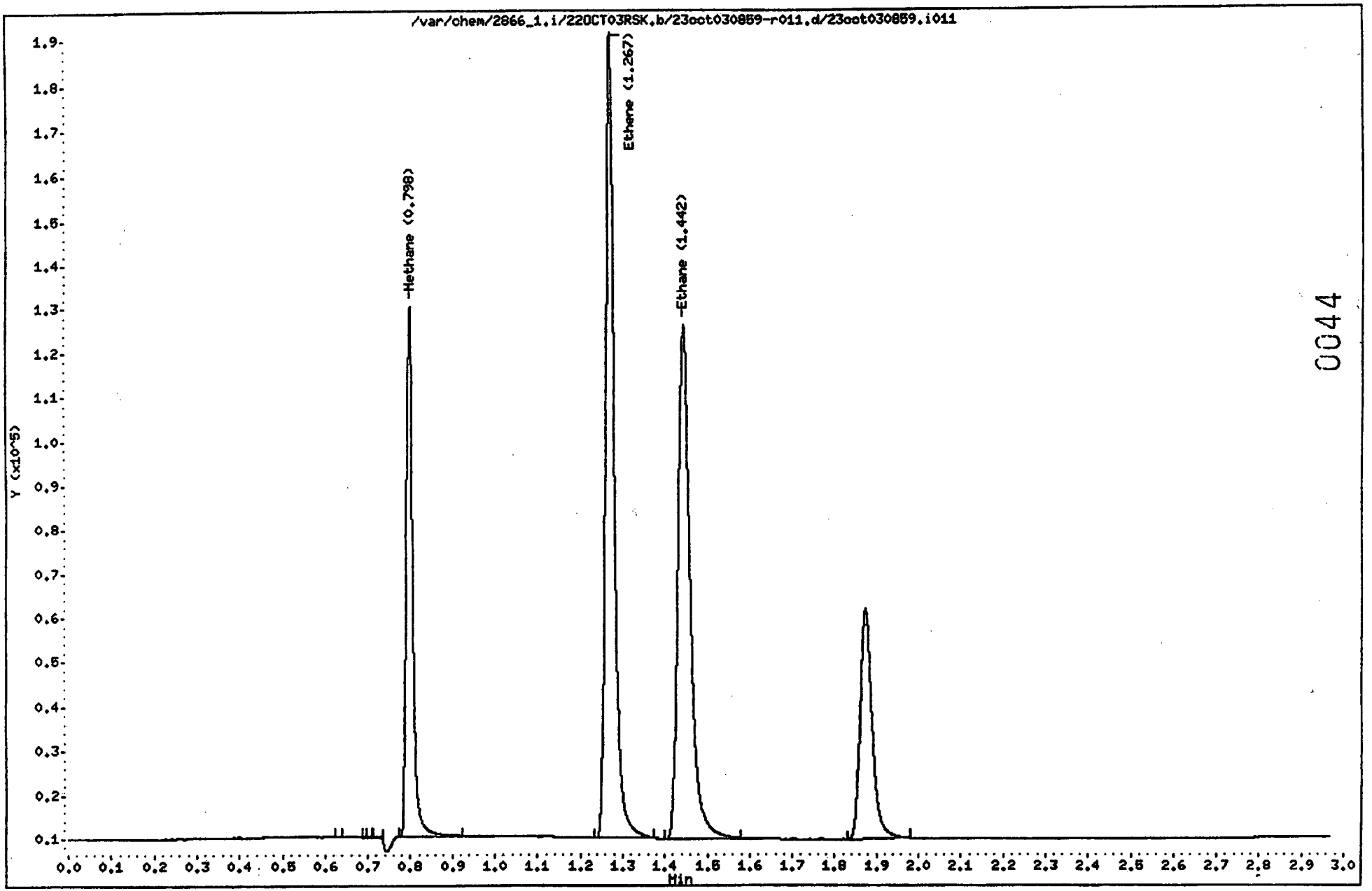
Data File: /var/chem/2866_1.i/22OCT03RSK.b/23oct030859-r011.d
Date : 23-OCT-2003 09:15
Client ID: CCV
Sample Info: CCV,1022G3,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

796/1028



STL Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 2866_1.i Injection Date: 23-OCT-2003 09:15
Lab File ID: 23oct030859-r01 Init. Cal. Date(s): 29-SEP-2003 29-SEP-2003
Analysis Type: WATER Init. Cal. Times: 08:37 08:56
Lab Sample ID: CCV Quant Type: ESTD
Method: /var/chem/2866_1.i/22OCT03RSK.b/bRSK175.m

COMPOUND	RRF / AMOUNT	RF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	1403	1781	0.000	-26.95107	30.00000	Averaged
2 Ethene	1597	2034	0.000	-27.38515	30.00000	Averaged
3 Ethane	1366	1709	0.000	-25.08934	30.00000	Averaged

SEVERN TRENT STL

RSK-175

RAW QC DATA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKG3

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96548

Matrix: (soil/water) WATER Lab Sample ID: ABLKG3

Sample wt/vol: _____ (g/mL) ML Lab File ID: 22OCT031158-R041

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/22/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

Data File: /var/chem/2866_1.i/22OCT03RSK.b/22oct031158-r041.d Page 1
Report Date: 03-Nov-2003 20:49

STL Burlington

Data file : /var/chem/2866_1.i/22OCT03RSK.b/22oct031158-r041.d
Lab Smp Id: ABLKG3 Client Smp ID: ABLKG3
Inj Date : 22-OCT-2003 12:32
Operator : JKN Inst ID: 2866_1.i
Smp Info : ABLKG3,1022G3,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/22OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 20:49 jd1 Quant Type: ESTD
Cal Date : 29-SEP-2003 08:56 Cal File: 29sep030810-r051.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Data File: /var/chem/2866_1.i/22OCT03RSK.b/22oct031158-r021.d

Date : 22-OCT-2003 12:22

Client ID: G3LCS

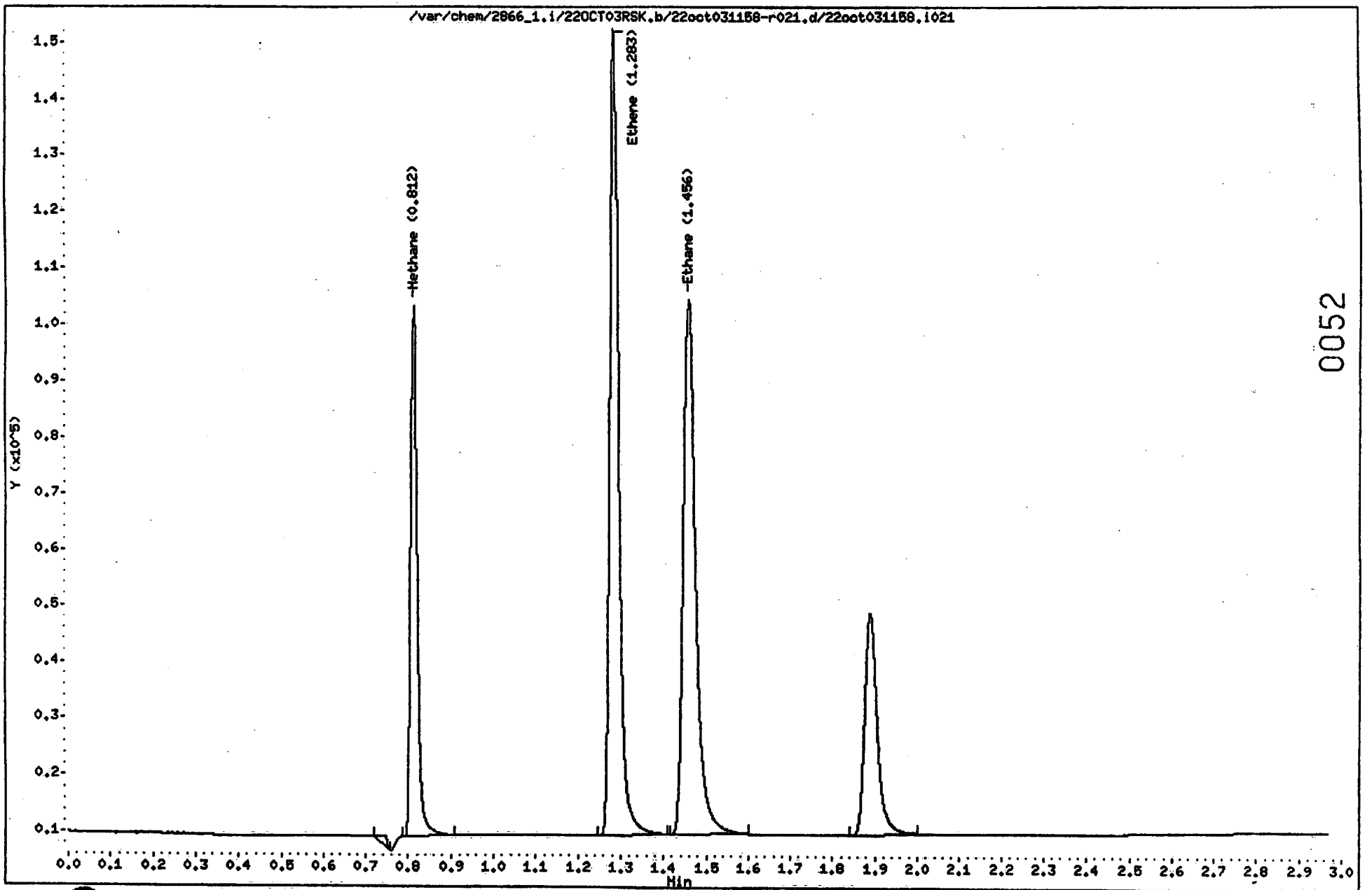
Instrument: 2866_1.i

Sample Info: G3LCS,1022C3,1

Operator: JKN

Column phase: RTUPLOT

Column diameter: 0.32



Data File: /var/chem/2866_1.i/22OCT03RSK.b/22oct031158-r021.d Page 2
Report Date: 03-Nov-2003 20:49

STL Burlington

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: G3LCS
Level: LOW
Data Type: GC DATA
SpikeList File: MeEtaEte.spk
Sublist File: MeEtaEte.sub
Method File: /var/chem/2866_1.i/22OCT03RSK.b/bRSK175.m
Misc Info:

Client SDG: 96548
Fraction: VOA
Client Smp ID: G3LCS
Operator: JKN
SampleType: LCS
Quant Type: ESTD

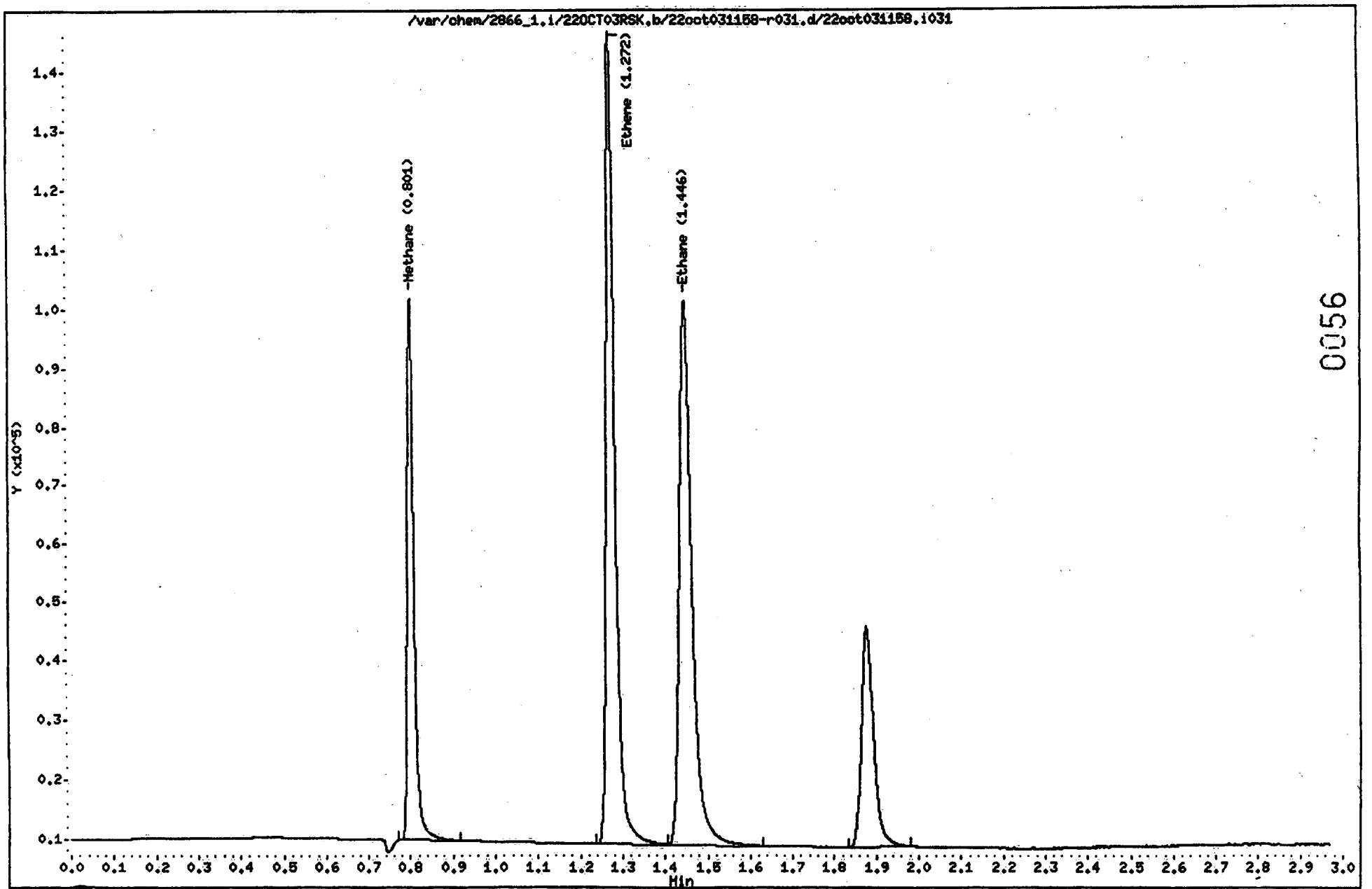
SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Methane	73	72	99.34	70-130
2 Ethene	130	130	101.51	70-130
3 Ethane	140	140	102.83	70-130

Data File: /var/chem/2866_1.i/22OCT03RSK.b/22oct031158-r031.d
Date : 22-OCT-2003 12:26
Client ID: G3LCSD
Sample Info: G3LCSD,1022G3,1

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

803/1028



Data File: /var/chem/2866_1.i/22OCT03RSK.b/22oct031158-r031.d Page 2
Report Date: 03-Nov-2003 20:49

STL Burlington

RECOVERY REPORT

Client Name:
Client SDG: 96548
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: G3LCSD
Client Smp ID: G3LCSD
Level: LOW
Operator: JKN
Data Type: GC DATA
SampleType: LCSD
SpikeList File: MeEtaEte.spk
Quant Type: ESTD
Sublist File: MeEtaEte.sub
Method File: /var/chem/2866_1.i/22OCT03RSK.b/bRSK175.m
Misc Info:

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Methane	73	72	99.23	70-130
2 Ethene	130	120	99.00	70-130
3 Ethane	140	140	101.52	70-130

SEVERN TRENT STL

ORGANIC
SAMPLE PREPARATION

Method: RSK175
Device: 286C
Channel: 51
Project: 09d103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 29SEP03RSK

Opened: 09/29/03 Time: 0837
Closed: 09/30/03 Time: 0837

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
0837	Cal 1	Initial Cal		29SEP03 0810	1	1	✓	JKW	
0841	Cal 2	↓		↓	2	↓	✓	↓	
0845	Cal 3				3		✓		
0852	Cal 4				4		✓		
0856	Cal 5	↓			5		✓		
1009	E9LCS	E9LCS	N/A		6		✓		
1013	E9LCSD	E9LCSD	↓		7		✓		
1017	ABLKE9	ABLKE9	↓	↓	8		✓		
1025	541501	V2-OBS	95916	29SEP031038	1		✓		vial 1
1029	541501MS	V2-OBSMS	↓	↓	2		✓		↓
1123	541501MD	V2-OBSMSD			3		✓		vial 2
1129	541503	V2-DUP			4		✓		vial 1
1133	541505	EB-1			5		✓		
1137	541507	V2-MW-1			6		✓		
1143	541509	V2-MW-3			7		✓		
1148	541511	V2-MW-25			8		✓		
1152	541513	V2-MW-50			9		✓		
1158	541515	V2-MW-75	↓	↓	10		✓		
1402	542389	GC02-17D-I	96044	29SEP031354	1		✓		
1405	542390	GC02-17A-I	↓	↓	2	↓	✓	↓	↓

806/1028

Method: [redacted]175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 220[redacted]RSK

Opened: 10 / 22 / 03 Time: 1218
Closed: 10 / 23 / 03 Time: 1218

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1218	CCV	CCV	N/A	22OCT031158	1	1	✓	JKW	
1222	G3LCS	G3LCS			2		✓		
1226	G3LCSD	G3LCSD			3		✓		
1232	ABLKG3	ABLKG3			4		✓		
1318	SY5256	39-6147	96Y33	220CT031301	1		✓		vial ~~AF~~ JKW 10/22/03 K1
1321	SY5258	39-999			2		✓		
1325	SY5260	39-6148			3		✓		
1332	SY5261	39-5801			4		✓		
1336	SY5262	HYY-5398			5		↑		Methane >1100
1340	SY5263	PHY-Y775			6		↑		Methane 760
1346	SY5264	PHY-Y778			7		✓		
1350	SY5265	39-MW35			8		✓		
1354	SY5266	39-MWEY5	96Y33		9		✓		
1400	SY5267	39-MWEID			10		✓		
1405	CCV	CCV	N/A		11		✓		Per client request
1409	ABLK	ABLK			12		✓		
1415	SY5850	39-MWE5	96501		13		✓		vial ~~AF~~ JKW 10/22/03 K2
1423	SY5850MS	39-MWE5MS			14		✓		
1429	SY5850MD	39-MWE5MSD			15		✓		
1433	SY5851	39-MWE7			16		✓		vial ~~AF~~ JKW 10/22/03 K1

807/1028

Method: RSK175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 220CT03RS16

Opened: 10 / 22 / 03 Time: 1218
Closed: 10 / 23 / 03 Time: 1218

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1701	545628	W-13S	96475	220CT031513	16	3	✓	JKN	vial k2
1705	545629	W-3RR			17	10	✓		
1712	545630	W-3S			18	20	✓ JKN 10/22/03		
1715	545631	W-4G			19	10	✓		
1720	545632	W-4S			20	20	✓		
1726	545966	BD101003	96507		21	20	✓		
1730	545967	WE-114DR			22	3	✓		
1734	~~545969~~ ABLK JKN 10/22/03	ABLK	N/A		23	JKN 10/22/03 ~~20~~ 1	✓		
1740	545969	WE-3S	96507		24	20	✓		
1745	545630	W-3S	96475	230CT030622	1	40	✓		vial k3
0716	546373	GEI-3G	96548	230CT030711	1	1	↑		vial k1 Methane >1500
0720	546374	GEI-5G			2	2	↑		Methane >1100
0724	546375	WE-5S			3	JKN 10/22/03 2	↑		Methane >1300
0730	546376	WE-6R			4		✓		
0734	546377	FB101303			5		✓		
0803	546767	MW15	96597		6		✓		
0807	546768	MW12			7		✓		
0811	546769	MW11			8		✓		
0817	546770	MW05			9		✓		
0821	546771	MW16			10		↑		Methane >910

808/1028

SEVERN TRENT STL

SAMPLE HANDLING

ORIGIN ID: DKKA (716) 691-2600
KEN KINECKI
SEVERN TRENT LABRATORIES
10 HAZELWOOD DR.

AMHERST, NY 14228

SHIP DATE: 140CT03
SYSTEM #736 603 / CAFE2165
ACTUAL WGT 31 6b LBS SCA
ACCOUNT #: 235689596

FedEx

FedEx Revenue Barcode

TO:

SAMPLE RECEIVING (802) 655-1203
STL-BURLINGTON
208 SOUTH PARK DRIVE SUITE 1

COLCHESTER, VT 05446

REF: 295-SUBS

Delivery Address Barcode (FedEx-EDR)

PRIORITY OVERNIGHT

TRK# 6132 3567 0341 FORM 0201

WED
Deliver by
150CT03
AA

BTV

05446 -VT-US ED BTVA

Part # 154254-354 RIT 02/03

COPY - ORIGINAL ON FILE
SDG # 96545 EIR # 96545

10/15/03

0430

0067

810/1028

811/1028

COPY - ORIGINAL ON FILE

SDG # 96545 ETR # 96545

STL Burlington

COOLER RECEIPT CHECKLIST

Date Received: 10.15.03 **Sample Custodian:** PGB

Time Received: 0930 **ETR/SDG:** 96548

RADIATION SCREEN: <0.05 MR/HR (YES) NO

If yes, stop work and alert the Supervisor and the PM.

CUSTODY SEALS PRESENT: (YES) NO

If yes, were the custody seals signed? YES (NO)

If yes, are custody seal numbers present? (YES) NO

List custody seal numbers: 983511

TEMPERATURE CHECK: 6 (°C)

Acceptance Criteria (0-6°C) except air samples, which should be shipped at ambient temperature and/or biota/tissue samples, which may be frozen on receipt. The thermal preservation of samples that are hand delivered immediately following collection is considered acceptable if there is evidence that the chilling process has begun.

Thermal Preservation Type: (ICE) ICE PACK NONE

CONDITION OF SAMPLE CONTAINERS: (INTACT) BROKEN

If broken, list the client ID for each broken container:

Were any samples received with a short hold time* remaining?

** <7 Days*

WET CHEMISTRY	**YES**	(NO)
METALS	**YES**	(NO)
ORGANIC EXTRACTABLES	**YES**	(NO)
VOLATILE (received unpreserved)	**YES**	(NO)

If yes, expedite sample log in procedure and alert the appropriate Department Manager.

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 96598

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

November 9, 2003

Mr. Pat Filey
Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Re: Laboratory Project No.: 23012
Case: 23012 ETR: 96598 Job: NY0A8575.2

Dear Mr. Filey:

Enclosed are the analytical results of samples received intact by Severn Trent Laboratories on October 17, 2003. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/17/03 ETR No: 96598		
546773	SW-01	10/14/03	Water
546774	SW-02	10/14/03	Water
546775	SW-03	10/14/03	Water
546776	SW-04	10/14/03	Water
546777	FBSW101403	10/14/03	Water
546778	GEI-6G	10/14/03	Water
546779	GEI-6S	10/14/03	Water
546780	WE-5R	10/14/03	Water
546780MS	WE-5RMS	10/14/03	Water
546780MD	WE-5RMSD	10/14/03	Water
546781	FB101403	10/14/03	Water
546782	GEI-10G	10/15/03	Water
546783	WE-10R	10/15/03	Water
546784	WE-10S	10/15/03	Water
546785	WE-7R	10/15/03	Water
546786	WE-7S	10/15/03	Water
546787	FB101503	10/15/03	Water

Documentation that identifies the condition of the samples at the time of sample receipt and the issues arising at the time of sample log-in is included in the Sample Handling section of this submittal.

RSK-175 – Dissolved Gases:
The volatile analyses of the field samples GEI-6G, GEI-6S, GEI-10G and WE-7S were accomplished at dilutions in order to provide quantitation for all target analytes within the calibration range of the instrument. The results of the dilution analyses were within the calibration range.

RSK-175 – Dissolved Gases (cont.):
Please note that no exceptions to the method prescribed quality control criteria were observed during the analyses of the samples in this delivery group.

If there are any questions regarding this submittal, please contact Ron Pentkowski at (802) 655-1203.

This report shall not be reproduced, except in full, without the written approval of the laboratory. This report is sequentially numbered starting with page 0001 and ending with page 0130.

I certify that this package is in compliance with the NELAC requirements, both technically and for completeness, for other than the conditions detailed above. The release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

0001B - last alpha

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 030

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
SW-01	A3A00001	SW	RSK	3-40mlV	10/14/2003 13:35
SW-02	A3A00002	SW	RSK	3-40mlV	10/14/2003 13:10
SW-03	A3A00003	SW	RSK	3-40mlV	10/14/2003 12:40
SW-04	A3A00004	SW	RSK	3-40mlV	10/14/2003 12:00
FBSW101403	A3A00005	SW	RSK	3-40mlV	10/14/2003 09:00

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Vermont: Signature(s)	Date	Time
(1) [signature]	10/16/2003	1800	(3) [signature]	10/17/2003	1045
(2)	/ /20		(4)	/ /20	

815/1028

Job No: A03-A000 Waste Management - Closed Sites
Project/Task: NY0A8575.2 1 Kin-Buc Monitoring Plan - Surface Water
Test No: CTA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 027

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-6G	A3999701	GW	RSK	3-40mlV	10/14/2003 09:28
GEI-6S	A3999702	GW	RSK	3-40mlV	10/14/2003 14:21
WE-5R	A3999703	GW	RSK	3-40mlV	10/14/2003 11:54
WE-5R MS	A3999703MS	GW	RSK	3-40mlV	10/14/2003 11:54
WE-5R SD	A3999703SD	GW	RSK	3-40mlV	10/14/2003 11:54
FB101403	A3999704	WATER	RSK	3-40mlV	10/14/2003 07:45

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Vermont: Signature(s)	Date	Time
(1)	10/16/2003	1800	(3)	10/17/2003	1045
(2)	/ /20		(4)	/ /20	

817/1028

Job No: A03-9997 Waste Management - Closed Sites
Project/Task: NY0A8575.2 2 Kin-Buc Monitoring Plan - Groundwater
Test No: CTA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 034

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-10G	A3A03201	GW	RSK	3-40mlV	10/15/2003 12:22
WE-10R	A3A03202	GW	RSK	3-40mlV	10/15/2003 13:26
WE-10S	A3A03203	GW	RSK	3-40mlV	10/15/2003 14:16
WE-7R	A3A03204	GW	RSK	3-40mlV	10/15/2003 09:42
WE-7S	A3A03205	GW	RSK	3-40mlV	10/15/2003 10:35
FB101503	A3A03206	WATER	RSK	2-40mlV	10/15/2003 08:00

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Vermont: Signature(s)	Date	Time
(1)	10/16/2003	1800	(3)	10/17/2003	1045
(2)	/ /20		(4)	/ /20	

819/1028

820/1028

SEVERN TRENT STL

RSK-175

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-6G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546778

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R051

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3300	
74-84-0	Ethane	40	U
74-85-1	Ethene	30	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-6S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546779

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R061

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3600	
74-84-0	Ethane	40	U
74-85-1	Ethene	30	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R201

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	20	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FB101403

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546781

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R231

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-10G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546782

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R071

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 40.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	6600	
74-84-0	Ethane	160	U
74-85-1	Ethene	120	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-10R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546783

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R251

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	92	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-10S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546784

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R261

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	110	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-7R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546785

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R271

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-7S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546786

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R081

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3100	
74-84-0	Ethane	61	
74-85-1	Ethene	30	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FB101503

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546787

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R301

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-01

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546773

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R131

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3.1	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-02

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546774

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R141

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.2	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-03

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546775

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R151

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.5	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-04

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546776

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R161

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.2	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FBSW101403

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546777

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R171

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKG6

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: ABLKG6

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R051

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKG7

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: ABLKG7

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R041

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G6LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G6LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	70	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G6LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G6LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	69	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G7LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G7LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	77	
74-84-0	Ethane	160	
74-85-1	Ethene	150	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G7LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G7LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	75	
74-84-0	Ethane	150	
74-85-1	Ethene	140	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5RMS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780MS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R211

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	82	
74-84-0	Ethane	110	
74-85-1	Ethene	98	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5RMSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780MD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R221

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	80	
74-84-0	Ethane	120	
74-85-1	Ethene	100	

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - STLNYB Sample No.: WE-5R

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Methane	73	20	82	85	70-130
Ethane	140	0.0	110	78	70-130
Ethene	130	0.0	98	75	70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	80	82	4	30	70-130
Ethane	140	120	86	10	30	70-130
Ethene	130	100	77	3	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - Sample No.: G6LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		70	96	70-130
Ethane	140		140	100	70-130
Ethene	130		130	100	70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	69	94	2	30	70-130
Ethane	140	140	100	0	30	70-130
Ethene	130	130	100	0	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - Sample No.: G7LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		77	105	70-130
Ethane	140		160	114	70-130
Ethene	130		150	115	70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	75	103	2	30	70-130
Ethane	140	150	107	6	30	70-130
Ethene	130	140	108	6	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKG6

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Lab File ID: 27OCT031355-R051 Lab Sample ID: ABLKG6

Date Analyzed: 10/27/03 Time Analyzed: 1453

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G6LCS	G6LCS	27OCT031355-	1439
02	G6LCSD	G6LCSD	27OCT031355-	1442
03	SW-01	546773	28OCT030909-	1043
04	SW-02	546774	28OCT030909-	1047
05	SW-03	546775	28OCT030909-	1051
06	SW-04	546776	28OCT030909-	1057
07	FBSW101403	546777	28OCT030909-	1101
08	WE-5R	546780	28OCT030909-	1115
09	WE-5RMS	546780MS	28OCT030909-	1119
10	WE-5RMSD	546780MD	28OCT030909-	1126
11	FB101403	546781	28OCT030909-	1130
12	WE-10R	546783	28OCT030909-	1140
13	WE-10S	546784	28OCT030909-	1144
14	WE-7R	546785	28OCT030909-	1148
15	FB101503	546787	28OCT030909-	1202
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKG7

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Lab File ID: 28OCT031310-R041 Lab Sample ID: ABLKG7

Date Analyzed: 10/28/03 Time Analyzed: 1343

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G7LCS	G7LCS	28OCT031310-	1333
02	G7LCSD	G7LCSD	28OCT031310-	1337
03	GEI-6G	546778	28OCT031401-	1438
04	GEI-6S	546779	28OCT031401-	1442
05	GEI-10G	546782	28OCT031401-	1448
06	WE-7S	546786	28OCT031401-	1452
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date(s): 10/27/03 10/27/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1318 1406

LAB FILE ID: RF1: 27OCT031255-RRF2: 27OCT031355-RRF3: 27OCT031255-R
RF4: 27OCT031255-RRF5: 27OCT031255-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1738.298	1169.333	1397.274	1349.922	1291.989
Ethane	1174.157	1165.029	1423.963	1372.917	1309.764
Ethene	1492.771	1335.031	1628.362	1548.583	1453.577

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date(s): 10/27/03 10/27/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1318 1406

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Methane	AVRG	1389.36324	15.3
Ethane	AVRG	1289.16608	9.0
Ethene	AVRG	1491.66485	7.3

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date: 10/28/03 Time: 1300

Lab File ID: 28OCT030909-R3 Init. Calib. Date(s): 10/27/03 10/27/03

Heated Purge: (Y/N) N Init. Calib. Times: 1318 1406

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1389.363	1386.082		0.2	30.0
Ethane	1289.166	1407.478		9.2	30.0
Ethene	1491.665	1657.795		11.1	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date: 10/28/03 Time: 1329

Lab File ID: 28OCT031310-R0 Init. Calib. Date(s): 10/27/03 10/27/03

Heated Purge: (Y/N) N Init. Calib. Times: 1318 1406

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1389.363	1409.342		1.4	30.0
Ethane	1289.166	1416.353		9.9	30.0
Ethene	1491.665	1672.024		12.1	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date: 10/28/03 Time: 1536

Lab File ID: 28OCT031519-R0 Init. Calib. Date(s): 10/27/03 10/27/03

Heated Purge: (Y/N) N Init. Calib. Times: 1318 1406

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1389.363	1440.822		3.7	30.0
Ethane	1289.166	1427.875		10.8	30.0
Ethene	1491.665	1663.945		11.5	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

GC Column: RTUPLOT ID: 0.32 (mm) Init. Calib. Date(s): 10/27/03 10/27/03

Instrument ID: 2866_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	10/27/03	1318		
02	CAL3	CAL3	10/27/03	1326		
03	CAL4	CAL4	10/27/03	1332		
04	CAL5	CAL5	10/27/03	1336		
05	CAL2	CAL2	10/27/03	1406		
06	G6LCS	G6LCS	10/27/03	1439		
07	G6LCSD	G6LCSD	10/27/03	1442		
08	ABLKG6	ABLKG6	10/27/03	1453		
09	SW-01	546773	10/28/03	1043		
10	SW-02	546774	10/28/03	1047		
11	SW-03	546775	10/28/03	1051		
12	SW-04	546776	10/28/03	1057		
13	FBSW101403	546777	10/28/03	1101		
14	WE-5R	546780	10/28/03	1115		
15	WE-5RMS	546780MS	10/28/03	1119		
16	WE-5RMSD	546780MD	10/28/03	1126		
17	FB101403	546781	10/28/03	1130		
18	WE-10R	546783	10/28/03	1140		
19	WE-10S	546784	10/28/03	1144		
20	WE-7R	546785	10/28/03	1148		
21	FB101503	546787	10/28/03	1202		
22	CCV	CCV	10/28/03	1300		
23	CCV	CCV	10/28/03	1329		
24	G7LCS	G7LCS	10/28/03	1333		
25	G7LCSD	G7LCSD	10/28/03	1337		
26	ABLKG7	ABLKG7	10/28/03	1343		
27	GEI-6G	546778	10/28/03	1438		
28	GEI-6S	546779	10/28/03	1442		
29	GEI-10G	546782	10/28/03	1448		
30	WE-7S	546786	10/28/03	1452		
31	CCV	CCV	10/28/03	1536		
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

STL Burlington
Colchester, Vermont

Extended Data Package

SDG: 96598

SEVERN TRENT STL

NARRATIVE

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

November 9, 2003

Mr. Pat Filey
Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Re: Laboratory Project No.: 23012
Case: 23012 ETR: 96598 Job: NY0A8575.2

Dear Mr. Filey:

Enclosed are the analytical results of samples received intact by Severn Trent Laboratories on October 17, 2003. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/17/03 ETR No: 96598		
546773	SW-01	10/14/03	Water
546774	SW-02	10/14/03	Water
546775	SW-03	10/14/03	Water
546776	SW-04	10/14/03	Water
546777	FBSW101403	10/14/03	Water
546778	GEI-6G	10/14/03	Water
546779	GEI-6S	10/14/03	Water
546780	WE-5R	10/14/03	Water
546780MS	WE-5RMS	10/14/03	Water
546780MD	WE-5RMSD	10/14/03	Water
546781	FB101403	10/14/03	Water
546782	GEI-10G	10/15/03	Water
546783	WE-10R	10/15/03	Water
546784	WE-10S	10/15/03	Water
546785	WE-7R	10/15/03	Water
546786	WE-7S	10/15/03	Water
546787	FB101503	10/15/03	Water

Documentation that identifies the condition of the samples at the time of sample receipt and the issues arising at the time of sample log-in is included in the Sample Handling section of this submittal.

RSK-175 – Dissolved Gases:
The volatile analyses of the field samples GEI-6G, GEI-6S, GEI-10G and WE-7S were accomplished at dilutions in order to provide quantitation for all target analytes within the calibration range of the instrument. The results of the dilution analyses were within the calibration range.

RSK-175 – Dissolved Gases (cont.):
Please note that no exceptions to the method prescribed quality control criteria were observed during the analyses of the samples in this delivery group.

If there are any questions regarding this submittal, please contact Ron Pentkowski at (802) 655-1203.

This report shall not be reproduced, except in full, without the written approval of the laboratory. This report is sequentially numbered starting with page 0001 and ending with page 0130.

I certify that this package is in compliance with the NELAC requirements, both technically and for completeness, for other than the conditions detailed above. The release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

MMB - last alpha

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

Job No: A03-A000 Waste Management - Closed Sites
Project/Task: NY0A8575.2 1 Kin-Buc Monitoring Plan - Surface Water
Test No: CTA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

				CDL	Spikes		QC Limits	
Seq	Parameter	Description		(UG/L)	Amount	Conc	% REC	RPD
10	74-84-0	Ethane		0.0050				
20	74-85-1	Ethene		0.0050				
30	74-82-8	Methane		0.0150				

Job No: A03-9997 Waste Management - Closed Sites
Project/Task: NY0A8575.2 2 Kin-Buc Monitoring Plan - Groundwater
Test No: CTA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

Job No: A03-A032 Waste Management - Closed Sites
Project/Task: NY0A8575.2 2 Kin-Buc Monitoring Plan - Groundwater
Test No: CTA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

SEVERN TRENT STL

RSK-175

QC SUMMARY

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - STLNYB Sample No.: WE-5R

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Methane	73	20	82	85	70-130
Ethane	140	0.0	110	78	70-130
Ethene	130	0.0	98	75	70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	80	82	4	30	70-130
Ethane	140	120	86	10	30	70-130
Ethene	130	100	77	3	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - Sample No.: G7LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		77	105	70-130
Ethane	140		160	114	70-130
Ethene	130		150	115	70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	75	103	2	30	70-130
Ethane	140	150	107	6	30	70-130
Ethene	130	140	108	6	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKG7

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Lab File ID: 28OCT031310-R041 Lab Sample ID: ABLKG7

Date Analyzed: 10/28/03 Time Analyzed: 1343

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G7LCS	G7LCS	28OCT031310-	1333
02	G7LCSD	G7LCSD	28OCT031310-	1337
03	GEI-6G	546778	28OCT031401-	1438
04	GEI-6S	546779	28OCT031401-	1442
05	GEI-10G	546782	28OCT031401-	1448
06	WE-7S	546786	28OCT031401-	1452
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

SEVERN TRENT STL

RSK-175

SUPPORTIVE DOCUMENTATION

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FB101403

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546781

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R231

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r231.d
Lab Smp Id: 546781 Client Smp ID: FB101403
Inj Date : 28-OCT-2003 11:30
Operator : JKN Inst ID: 2866_1.i
Smp Info : FB101403 :[ ]10/14/03 @0745(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

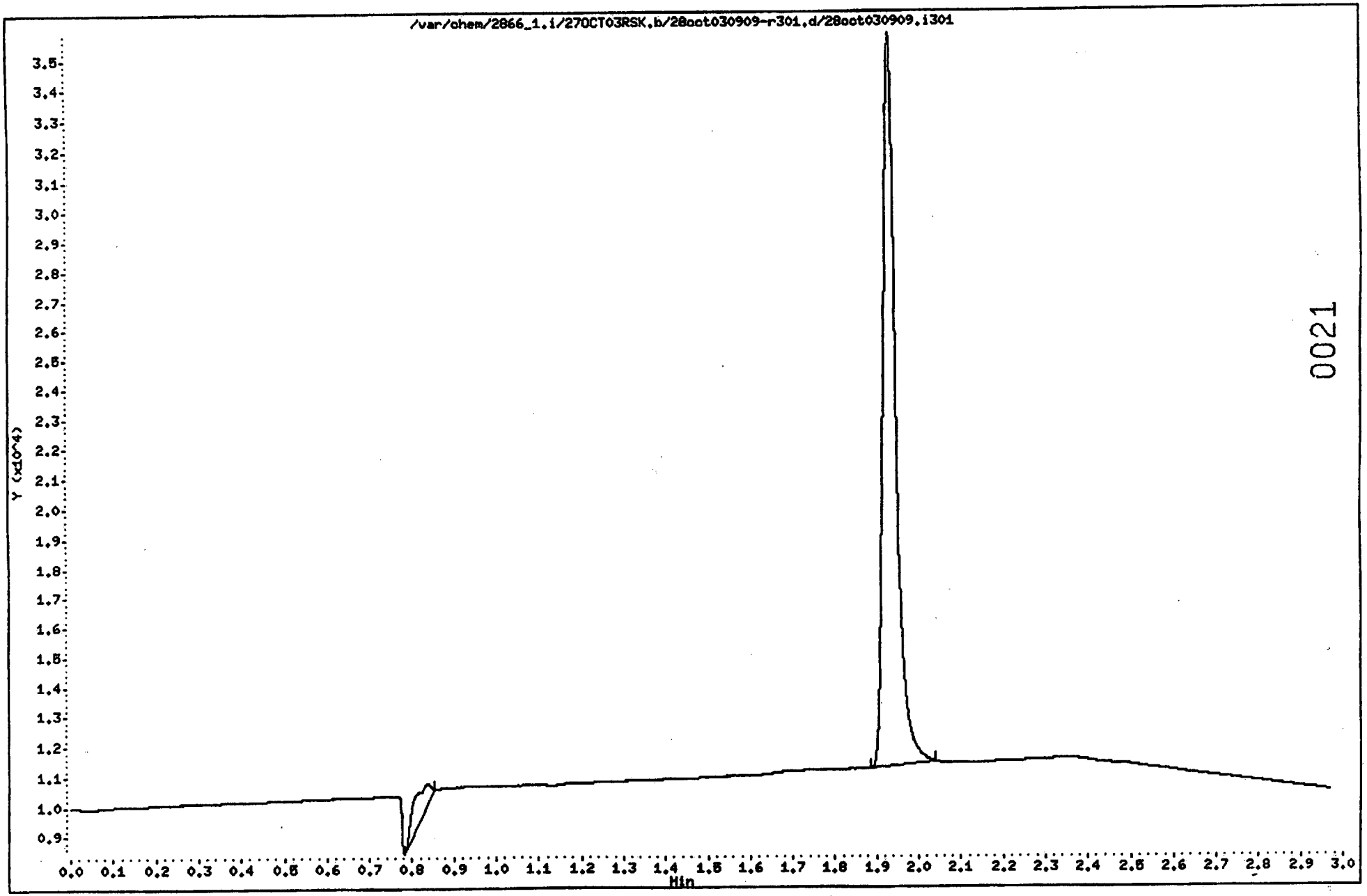
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Data file: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r301.d
Date : 28-OCT-2003 12:02
Client ID: FB101503
Sample Info: FB101503 :[10/15/03 0800(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FBSW101403

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546777

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R171

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r171.d
Lab Smp Id: 546777 Client Smp ID: FBSW101403
Inj Date : 28-OCT-2003 11:01
Operator : JKN Inst ID: 2866_1.i
Smp Info : FBSW101403 :[ ]10/14/03 @0900(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

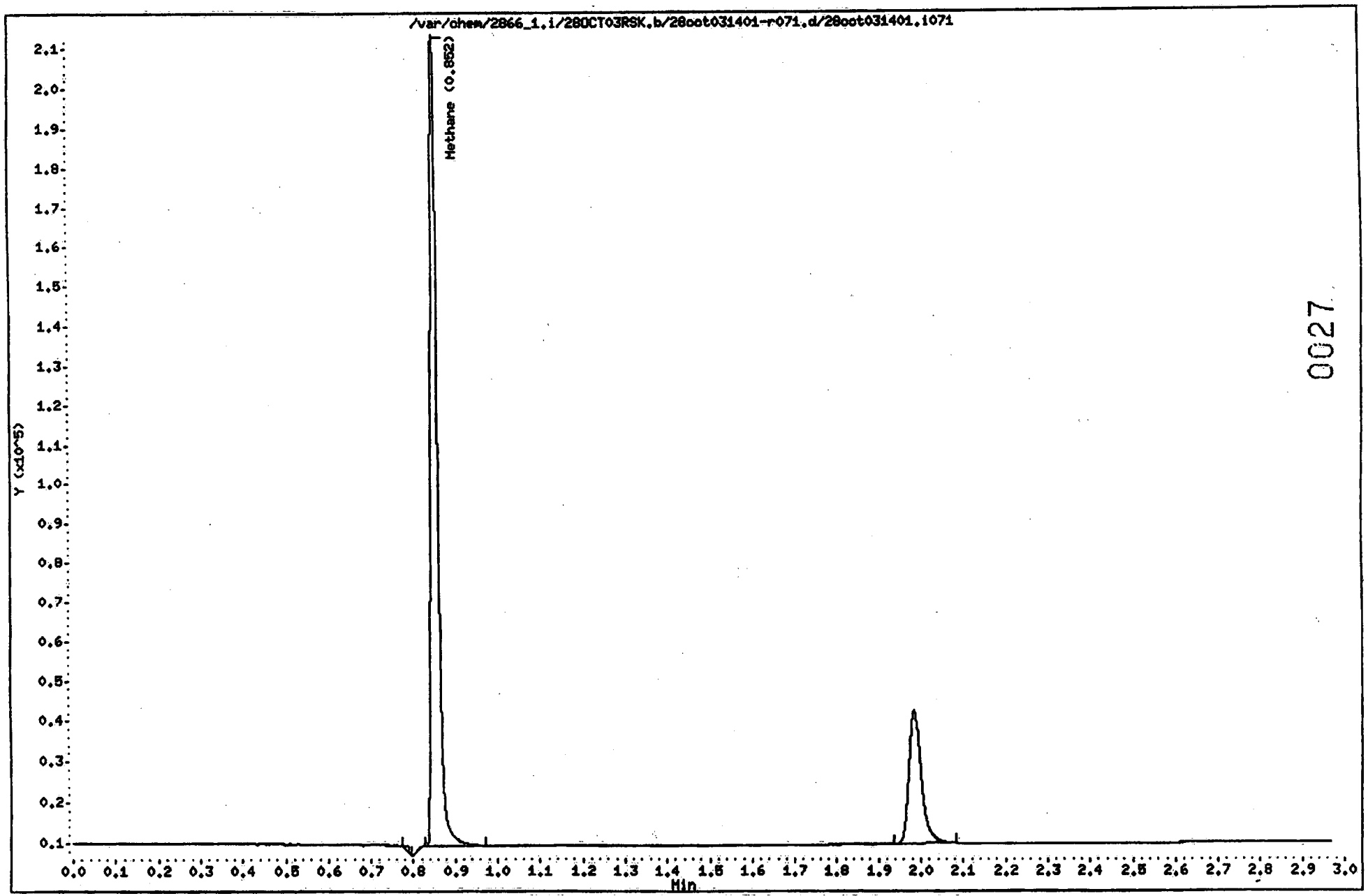
Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r071.d
Date : 28-OCT-2003 14:48
Client ID: GEI-10G
Sample Info: GEI-10G :[ ]10/15/03 @1222(Water)

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-6G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546778

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R051

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3300	
74-84-0	Ethane	40	U
74-85-1	Ethene	30	U

STL Burlington

Data file : /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r051.d
Lab Smp Id: 546778 Client Smp ID: GEI-6G
Inj Date : 28-OCT-2003 14:38
Operator : JKN Inst ID: 2866_1.i
Smp Info : GEI-6G :[ ]10/14/03 @0928(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 21:26 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.854	0.849	0.005	460318	331.316	3300(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

8/6/1028

Da[illegible]le: /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r061.d

Date : 28-OCT-2003 14:42

Client ID: GEI-6S

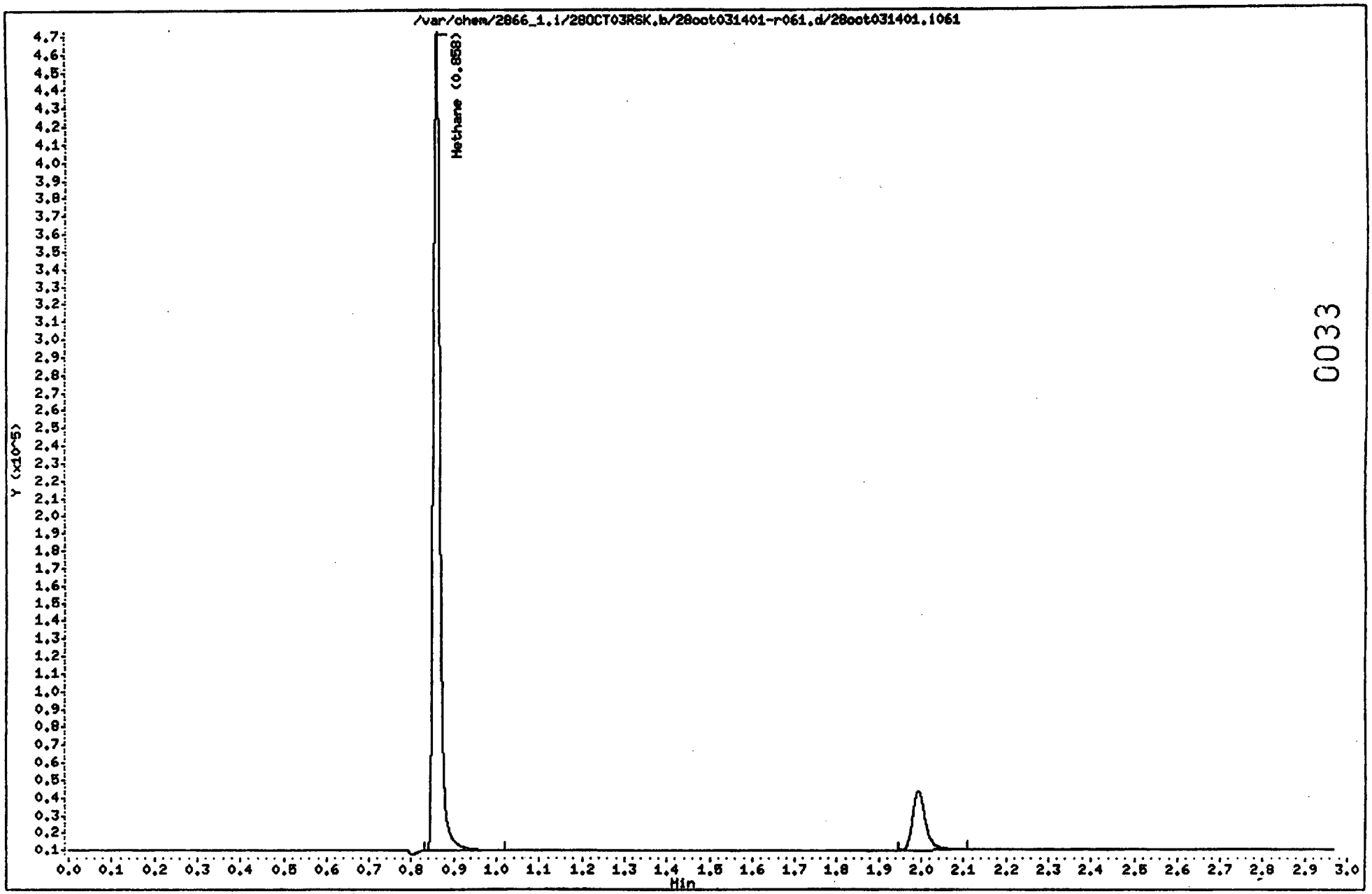
Sample Info: GEI-6S :[ ]10/14/03 @1421(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN

Column diameter: 0.32



0033

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-01

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546773

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R131

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3.1	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r131.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r131.d
Lab Smp Id: 546773 Client Smp ID: SW-01
Inj Date : 28-OCT-2003 10:43
Operator : JKN Inst ID: 2866_1.i
Smp Info : SW-01 :[ ]10/14/03 @1335(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.829	0.849	-0.020	4269	3.07263	3.1(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

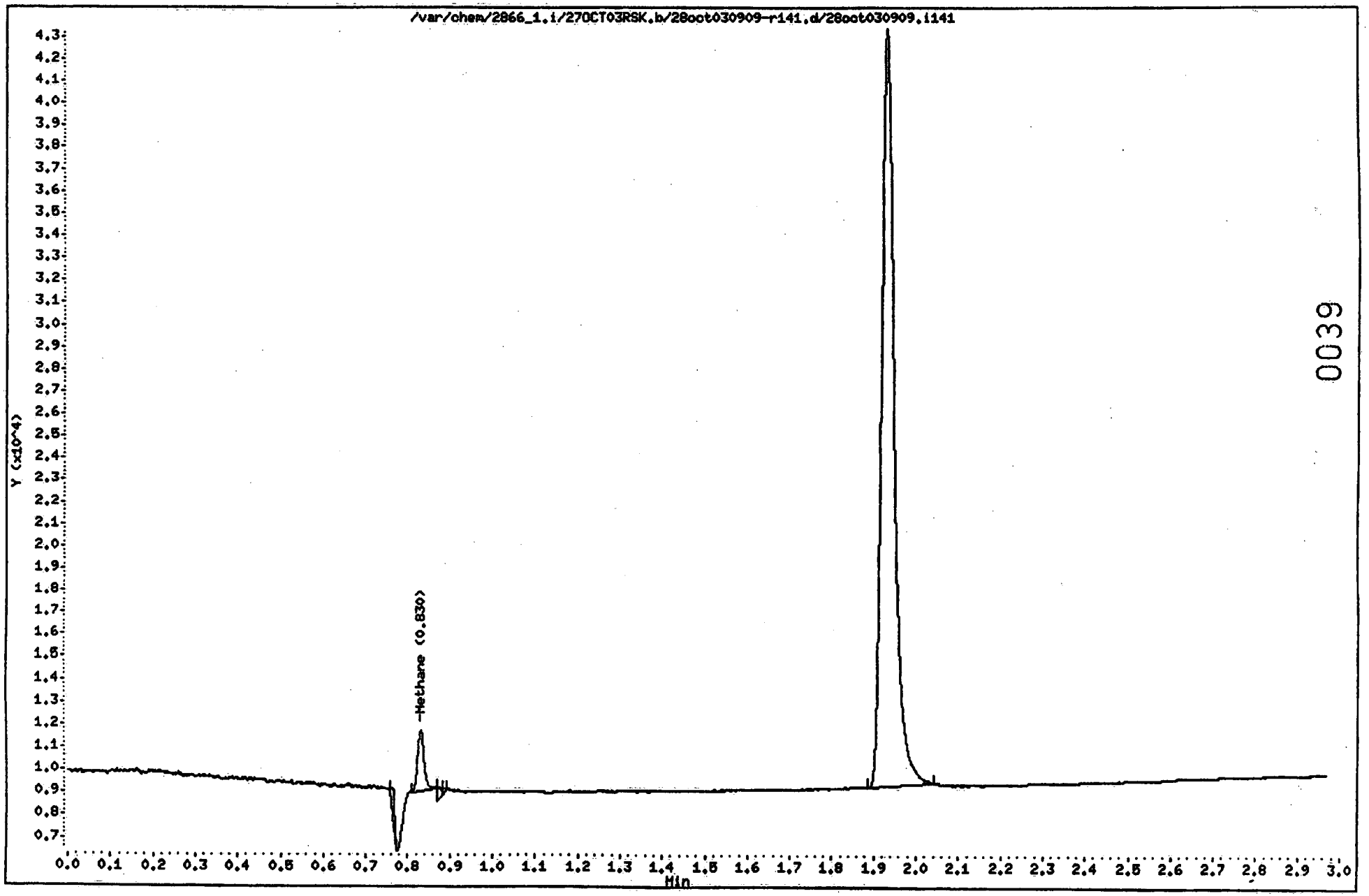
M - Compound response manually integrated.

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r141.d
Date : 28-OCT-2003 10:47
Client ID: SW-02
Sample Info: SW-02 :[J10/14/03 @1310(Water)

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

879/1028



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-03

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546775

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R151

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.5	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r151.d
Lab Smp Id: 546775 Client Smp ID: SW-03
Inj Date : 28-OCT-2003 10:51
Operator : JKN Inst ID: 2866_1.i
Smp Info : SW-03 :[ ]10/14/03 @1240(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.818	0.849	-0.031	3513	2.52850	2.5(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

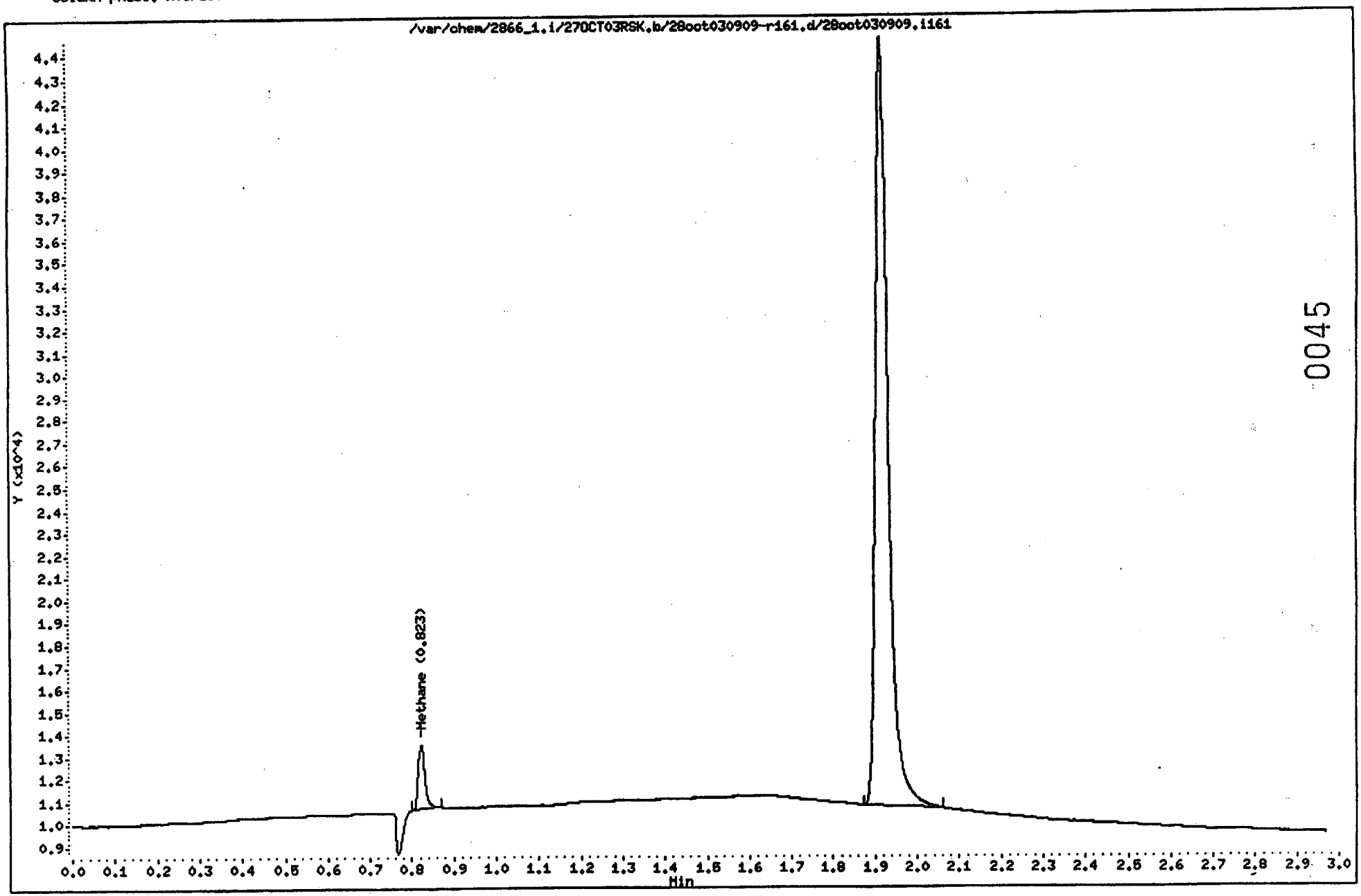
882/1028

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r161.d
Date : 28-OCT-2003 10:57
Client ID: SW-04
Sample Info: SW-04 :[ ]10/14/03 @1200(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



0045

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-10R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546783

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R251

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	92	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r251.d
Lab Smp Id: 546783 Client Smp ID: WE-10R
Inj Date : 28-OCT-2003 11:40
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-10R :[ ]10/15/03 @1326(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.825	0.849	-0.024	128205	92.2761	92 (M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r261.d

Date : 28-OCT-2003 11:44

Client ID: WE-10S

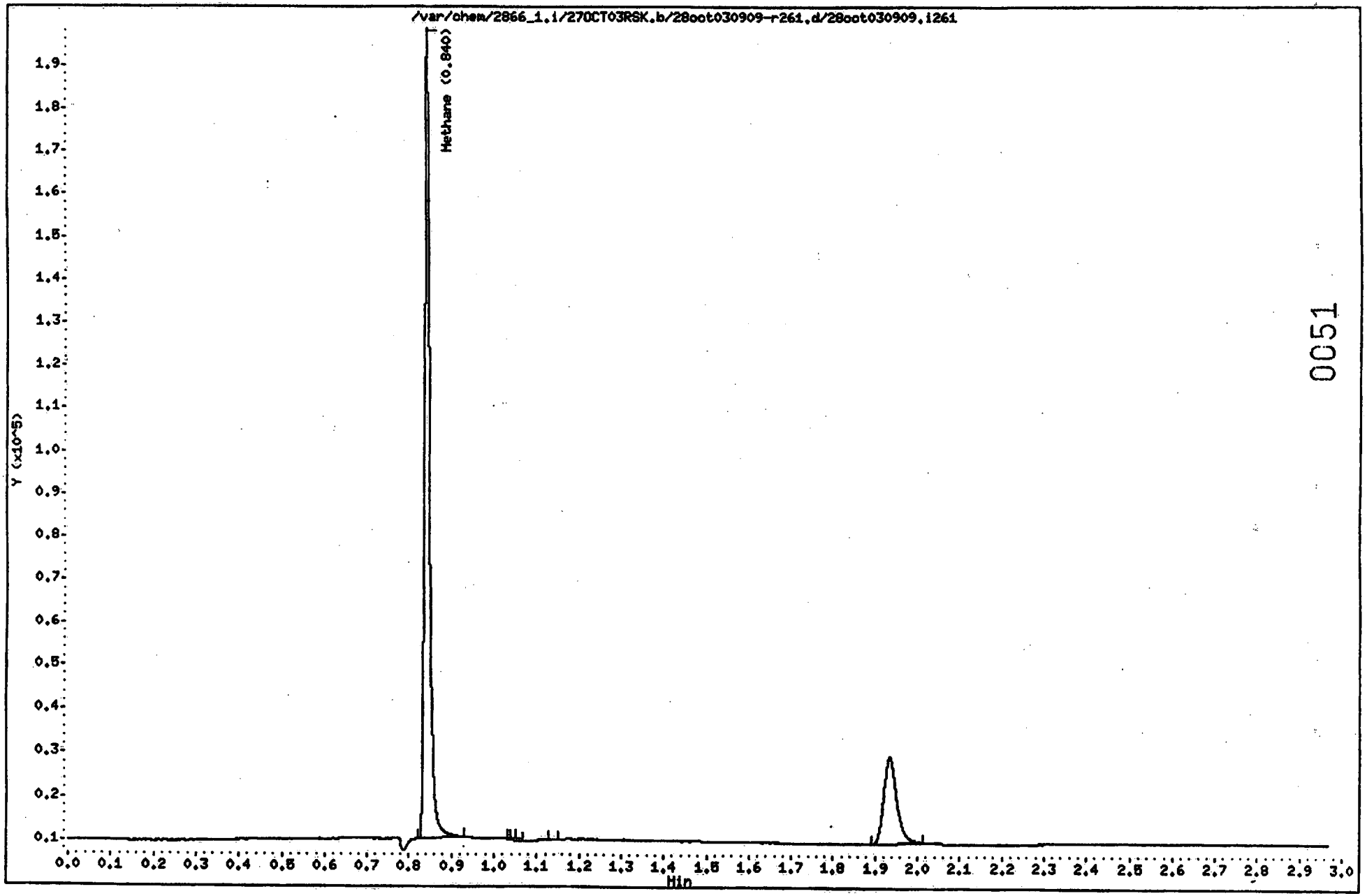
Sample Info: WE-10S :[J10/15/03 @1416(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN

Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R201

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	20	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r201.d
Lab Smp Id: 546780 Client Smp ID: WE-5R
Inj Date : 28-OCT-2003 11:15
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-5R :[ ]10/14/03 @1154(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.817	0.849	-0.032	27686	19.9271	20(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

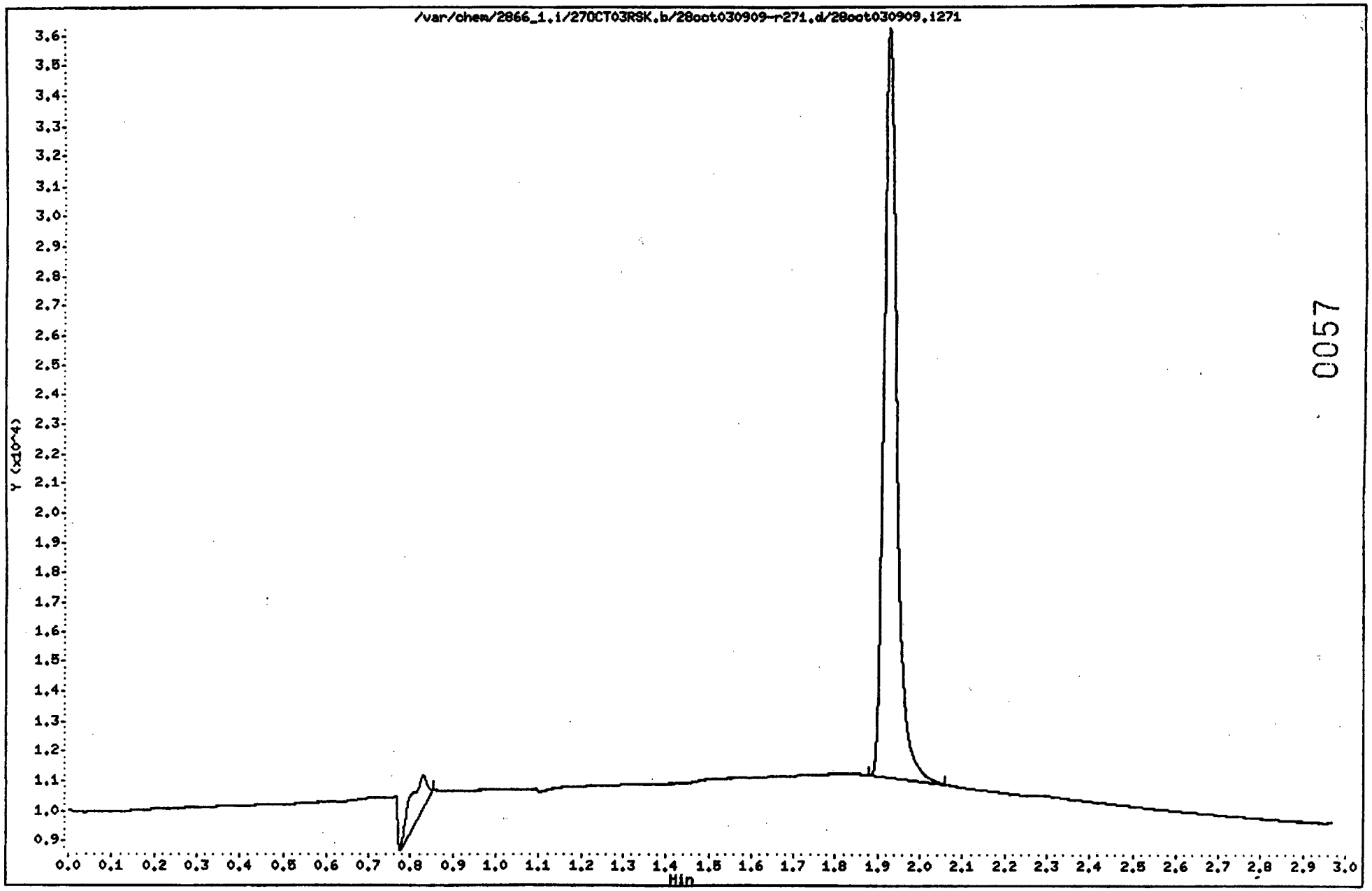
QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/2866_1.i/270CT03RSK.b/28oct030909-r271.d
Date : 28-OCT-2003 11:48
Client ID: WE-7R
Sample Info: WE-7R ;[ ]10/15/03 @0942(Water)

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-7S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546786

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R081

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3100	
74-84-0	Ethane	61	
74-85-1	Ethene	30	U

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r081.d Page 1
Report Date: 03-Nov-2003 21:26

STL Burlington

Data file : /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r081.d
Lab Smp Id: 546786 Client Smp ID: WE-7S
Inj Date : 28-OCT-2003 14:52
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-7S :[ ]10/15/03 @1035(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 21:26 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.856	0.849	0.007	435870	313.719	3100(M)
2 Ethene	Compound Not Detected.					
3 Ethane	1.537	1.495	0.042	7847	6.08688	61

QC Flag Legend

M - Compound response manually integrated.

SEVERN TRENT STL

RSK-175

STANDARDS

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date(s): 10/27/03 10/27/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1318 1406

LAB FILE ID: RF1: 27OCT031255-RRF2: 27OCT031355-RRF3: 27OCT031255-R
RF4: 27OCT031255-RRF5: 27OCT031255-R

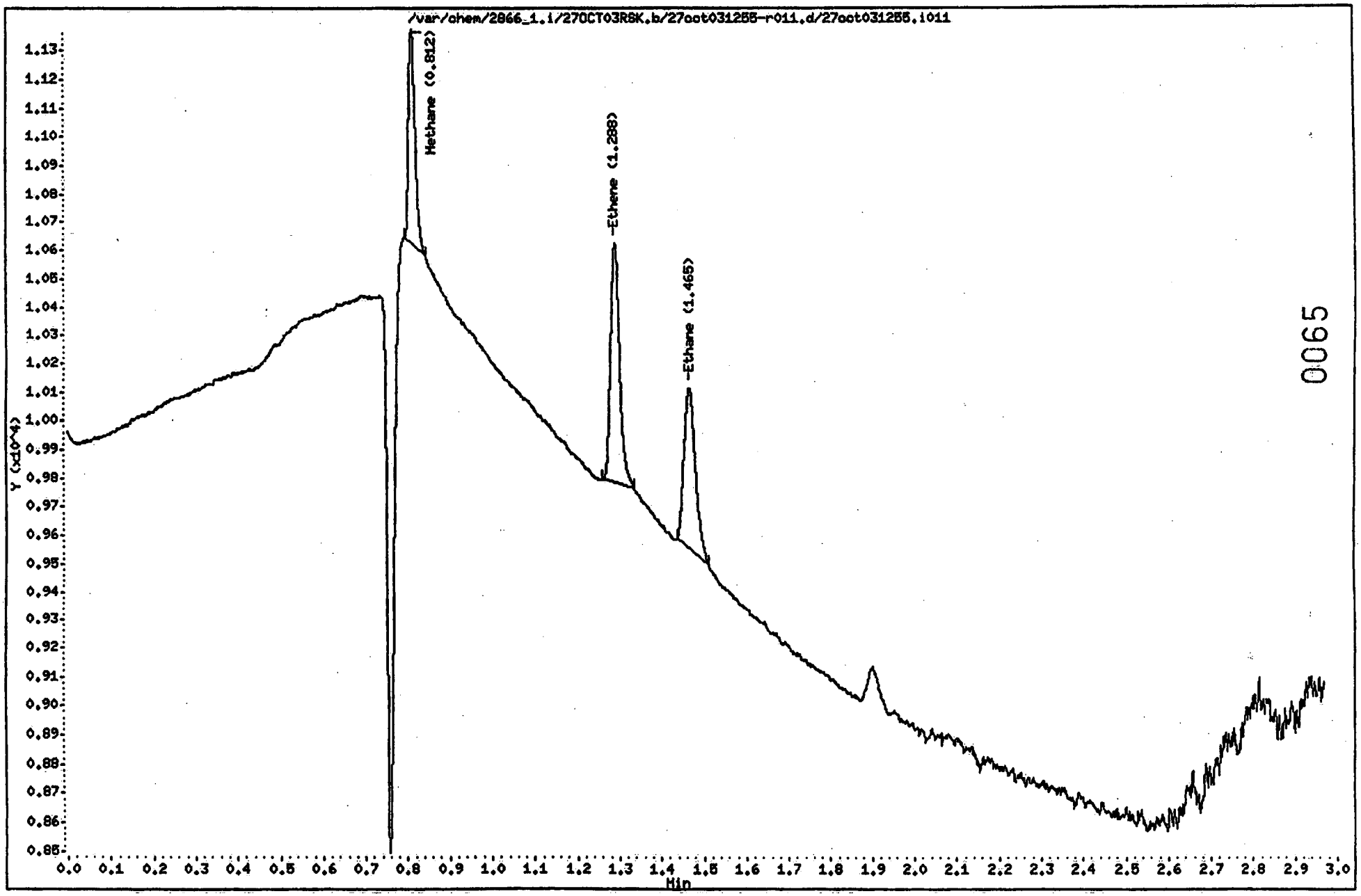
COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1738.298	1169.333	1397.274	1349.922	1291.989
Ethane	1174.157	1165.029	1423.963	1372.917	1309.764
Ethene	1492.771	1335.031	1628.362	1548.583	1453.577

Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r011.d
Date : 27-OCT-2003 13:18
Client ID: CAL1
Sample Info: CAL1,1027G6,1

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

893/1028



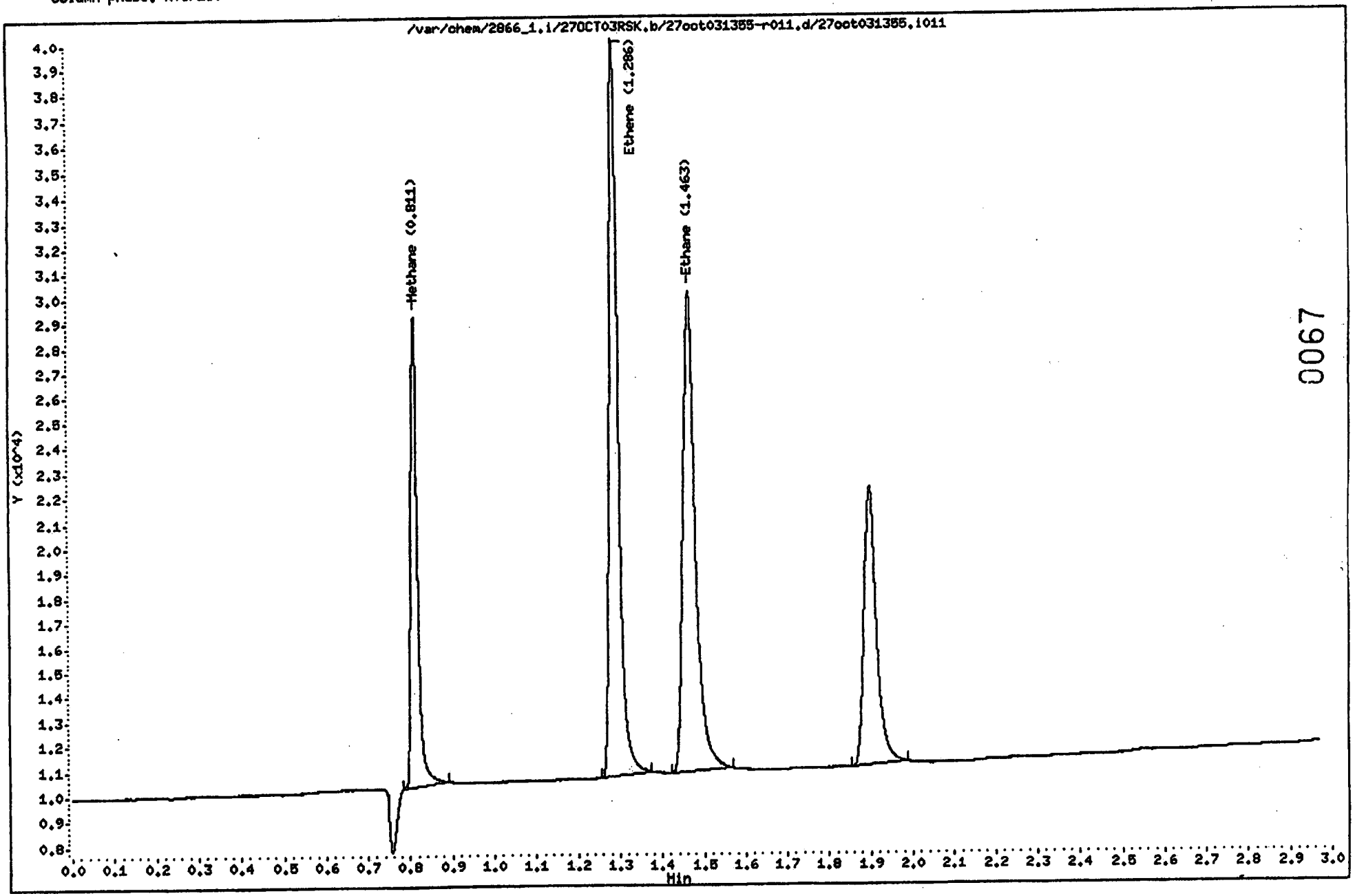
Da[redacted]le: /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r011.d
Da[redacted] 27-OCT-2003 14:06
Client ID: CAL2
Sample Info: CAL2,1027C6,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

/var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r011.d/27oct031355.i011



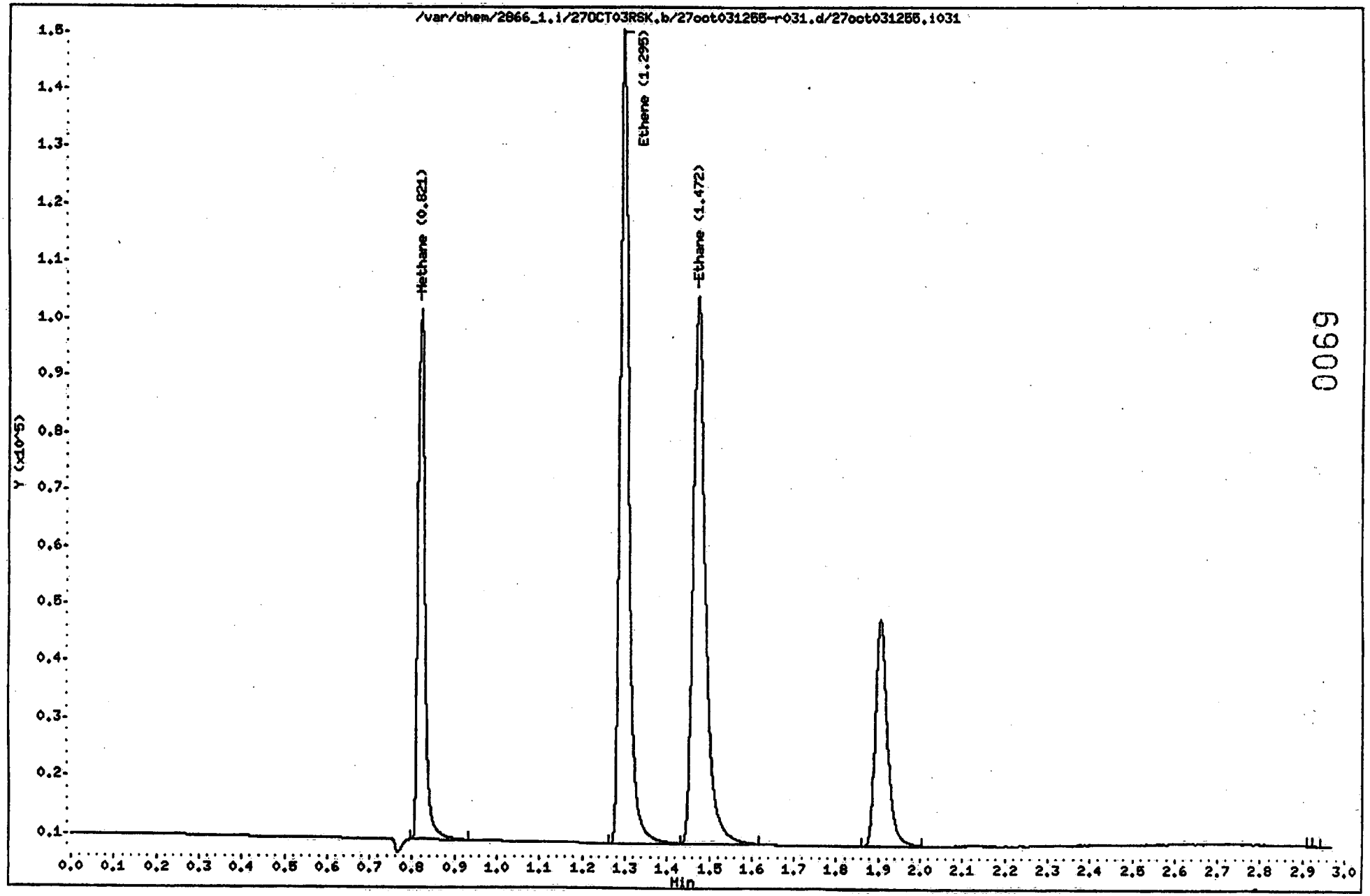
Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r031.d
Date : 27-OCT-2003 13:26
Client ID: CAL3
Sample Info: CAL3,1027G6,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

895/1028



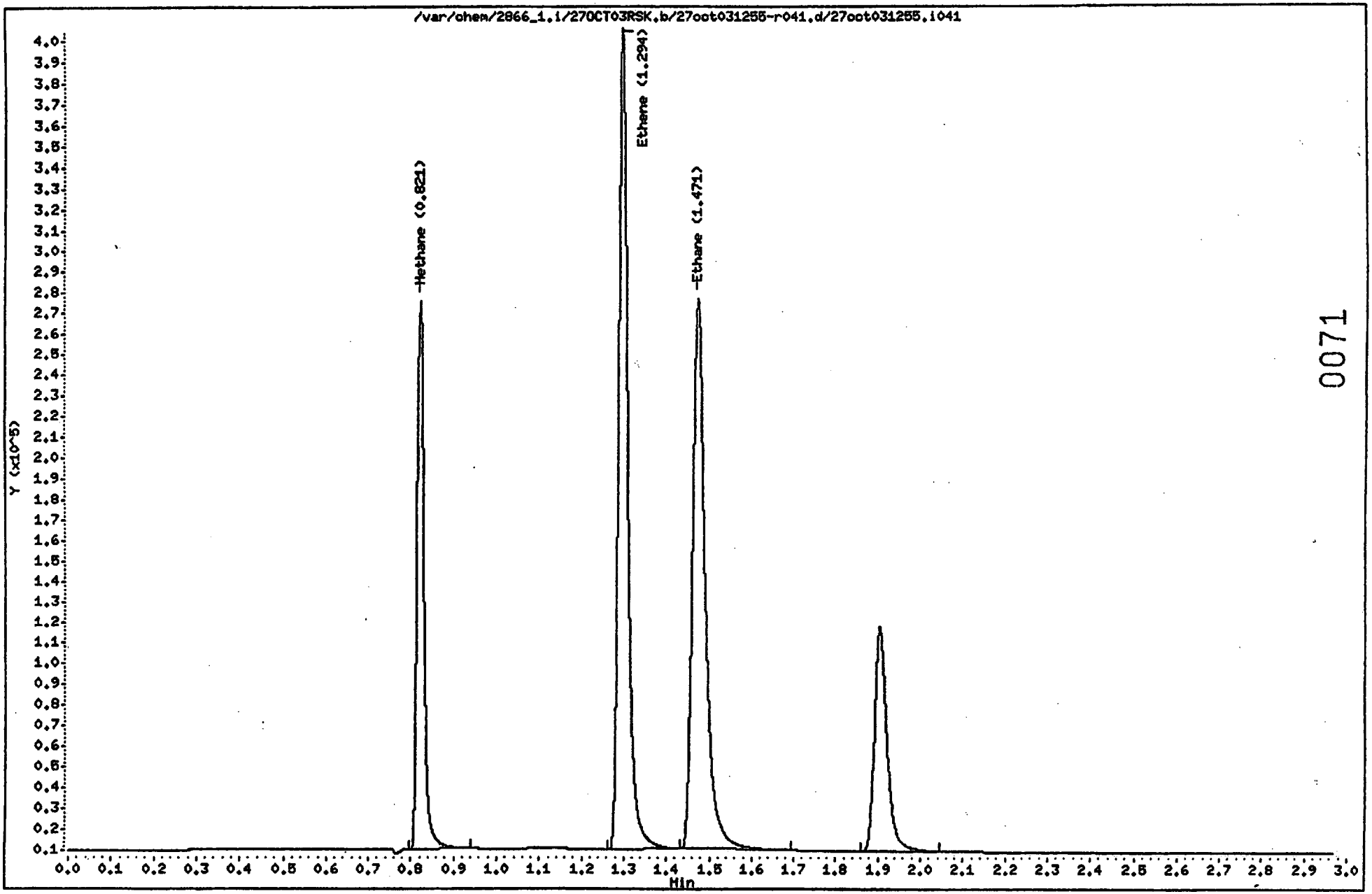
File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r041.d
Date : 27-OCT-2003 13:32
Client ID: CAL4
Sample Info: CAL4,1027C6,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

896/1028



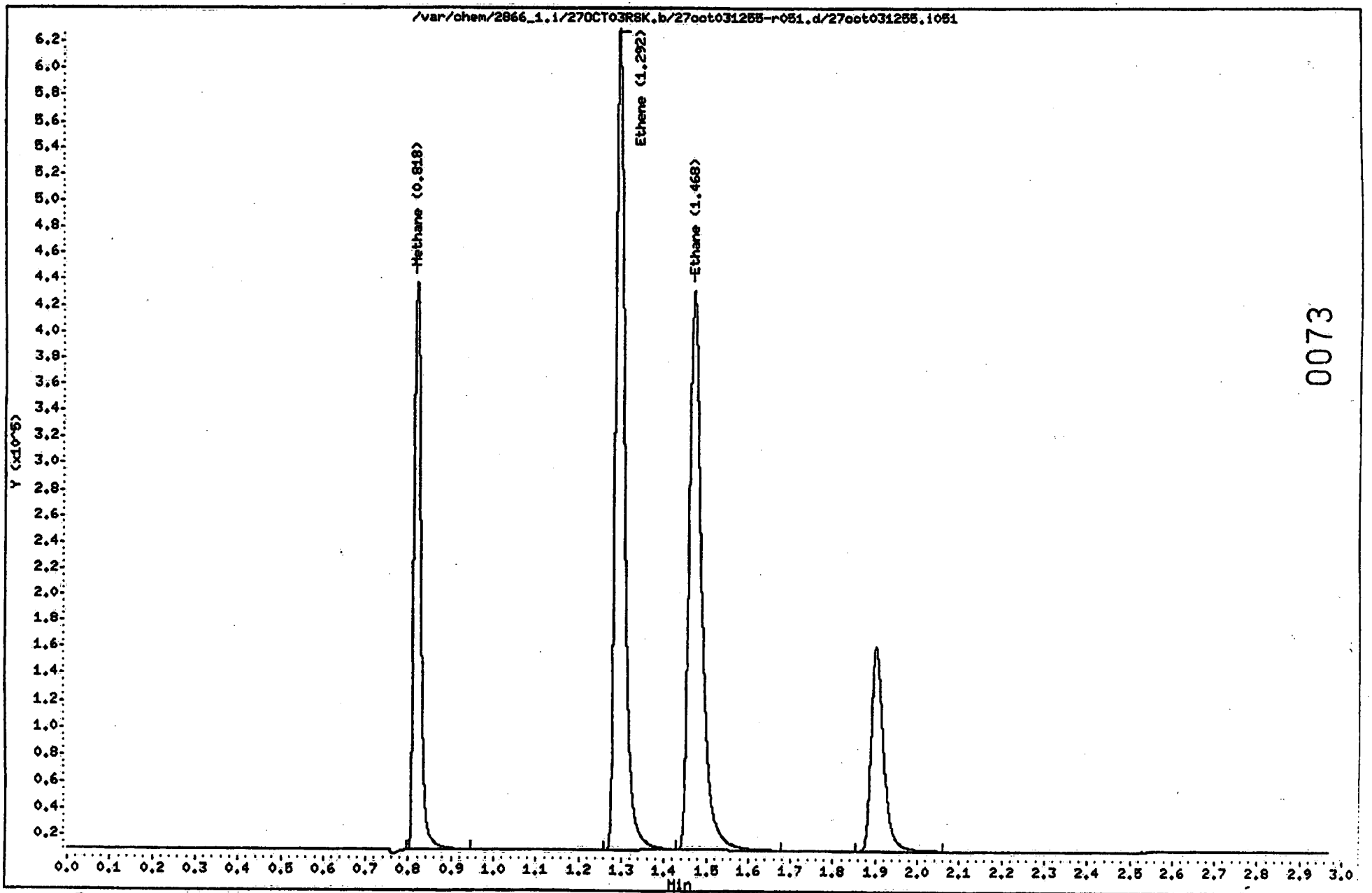
Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r051.d
Date : 27-OCT-2003 13:36
Client ID: CAL5
Sample Info: CAL5,1027G6,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

897/1028



0073

Report Date : 28-Oct-2003 22:35

STL Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 27-OCT-2003 13:18
End Cal Date : 27-OCT-2003 14:06
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Cal Date : 28-Oct-2003 22:35 jd1
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r011.d
Level 2: /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r011.d
Level 3: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r031.d
Level 4: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r041.d
Level 5: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r051.d

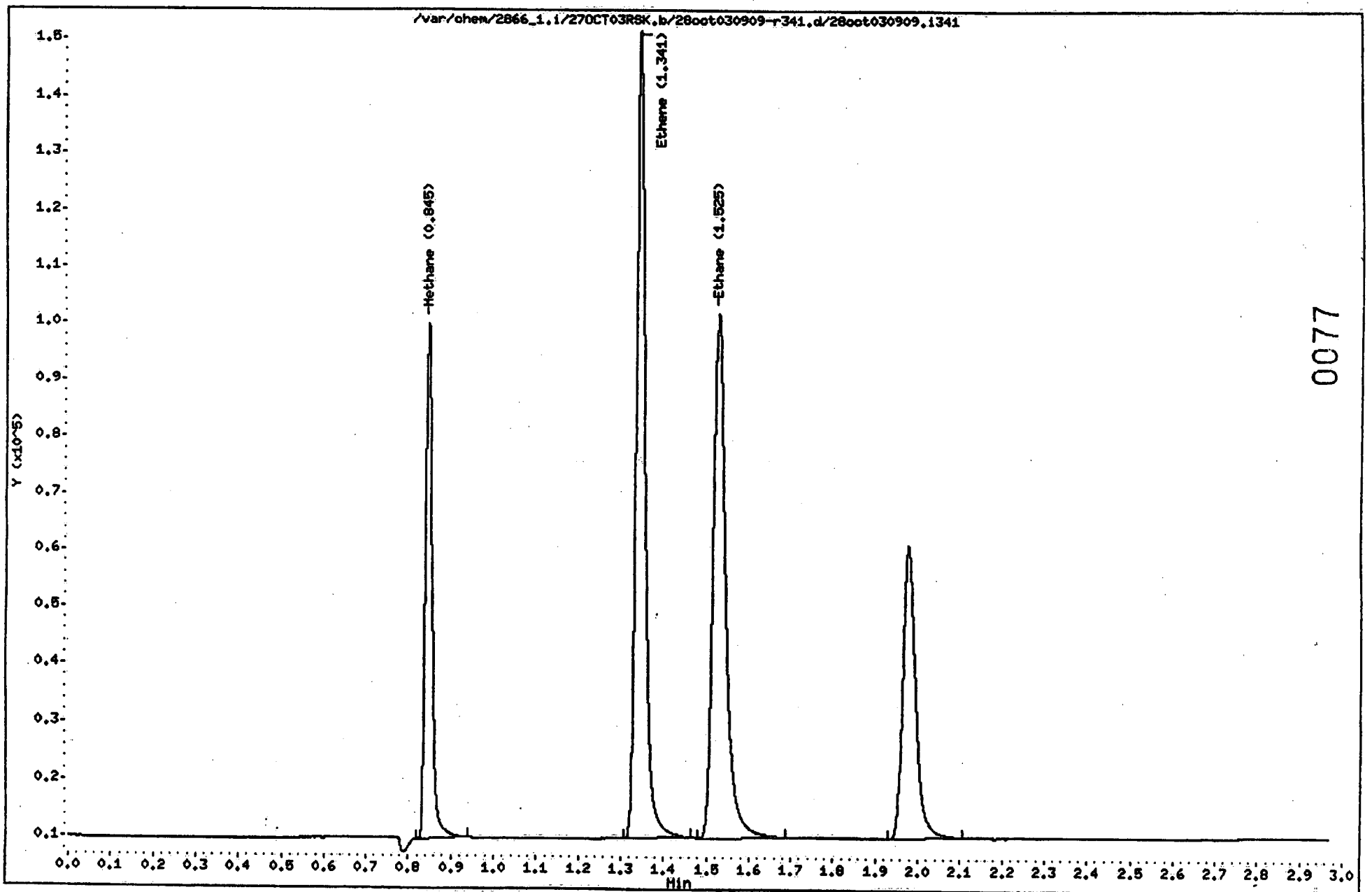
Compound	1.000 Level 1	2.000 Level 2	3.000 Level 3	4.000 Level 4	5.000 Level 5	___ RRF	% RSD
1 Methane	1738	1169	1397	1350	1292	1389	15.322
2 Ethene	1493	1335	1628	1549	1454	1492	7.337
3 Ethane	1174	1165	1424	1373	1310	1289	9.033
4 Acetylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Data File: /var/chem/2866_1.i/270CT03RSK.b/28oct030909-r341.d
Date : 28-OCT-2003 13:00
Client ID: CCV
Sample Info: CCV,1027G6,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



0077

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r34
Report Date: 03-Nov-2003 21:20

STL Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 2866_1.i Injection Date: 28-OCT-2003 13:00
Lab File ID: 28oct030909-r34 Init. Cal. Date(s): 27-OCT-2003 27-OCT-2003
Analysis Type: WATER Init. Cal. Times: 13:18 14:06
Lab Sample ID: CCV Quant Type: ESTD
Method: /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m

COMPOUND	RRF / AMOUNT	RF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	1389	1386	0.000	0.23615	30.00000	Averaged
2 Ethene	1492	1658	0.000	-11.13725	30.00000	Averaged
3 Ethane	1289	1407	0.000	-9.17739	30.00000	Averaged

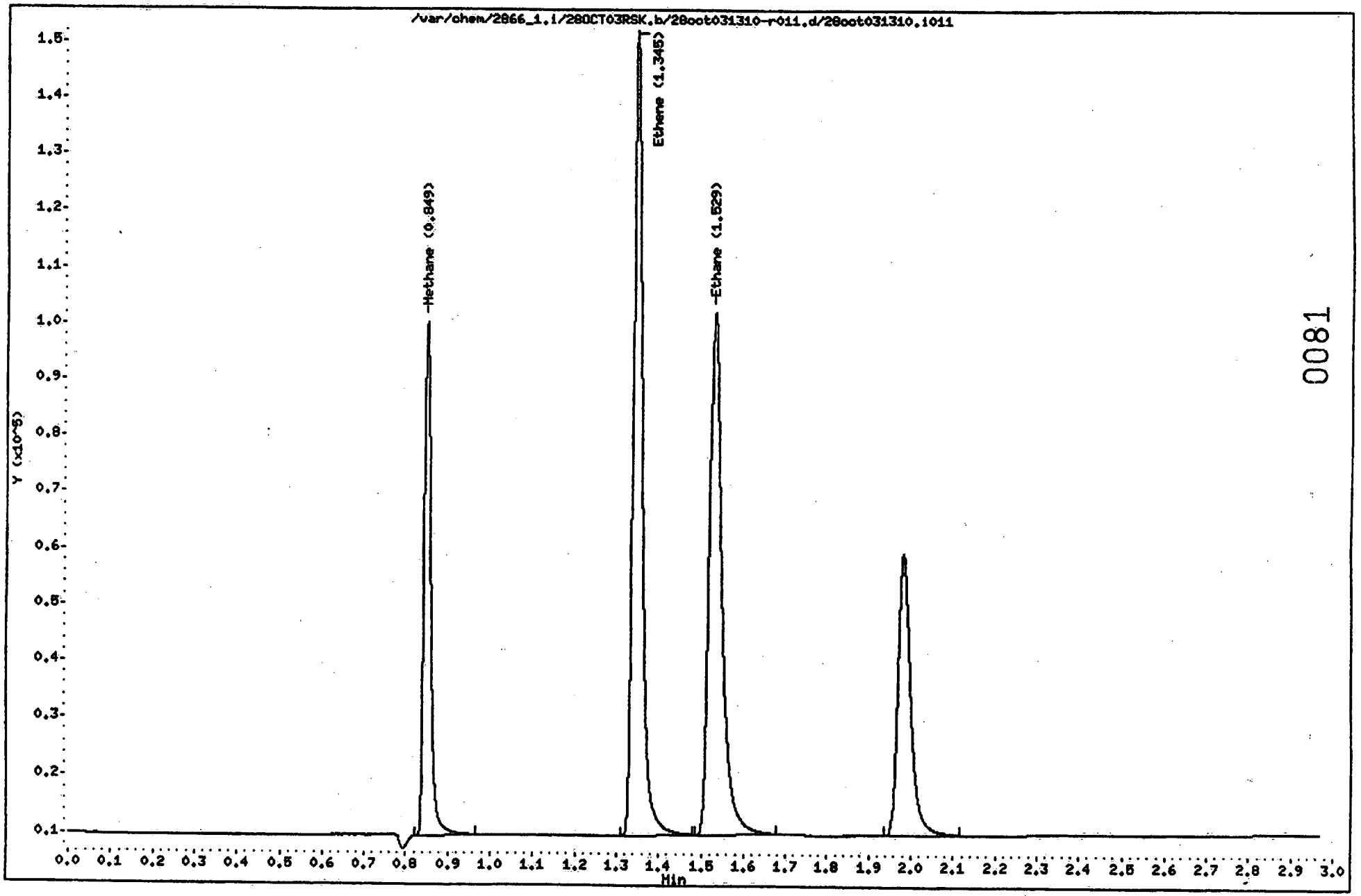
Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r011.d
Date : 28-OCT-2003 13:29
Client ID: CCV
Sample Info: CCV,1028C7,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

901/1028



Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r01 Page 2
Report Date: 03-Nov-2003 21:26

STL Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 2866_1.i Injection Date: 28-OCT-2003 13:29
Lab File ID: 28oct031310-r01 Init. Cal. Date(s): 27-OCT-2003 27-OCT-2003
Analysis Type: WATER Init. Cal. Times: 13:18 14:06
Lab Sample ID: CCV Quant Type: ESTD
Method: /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m

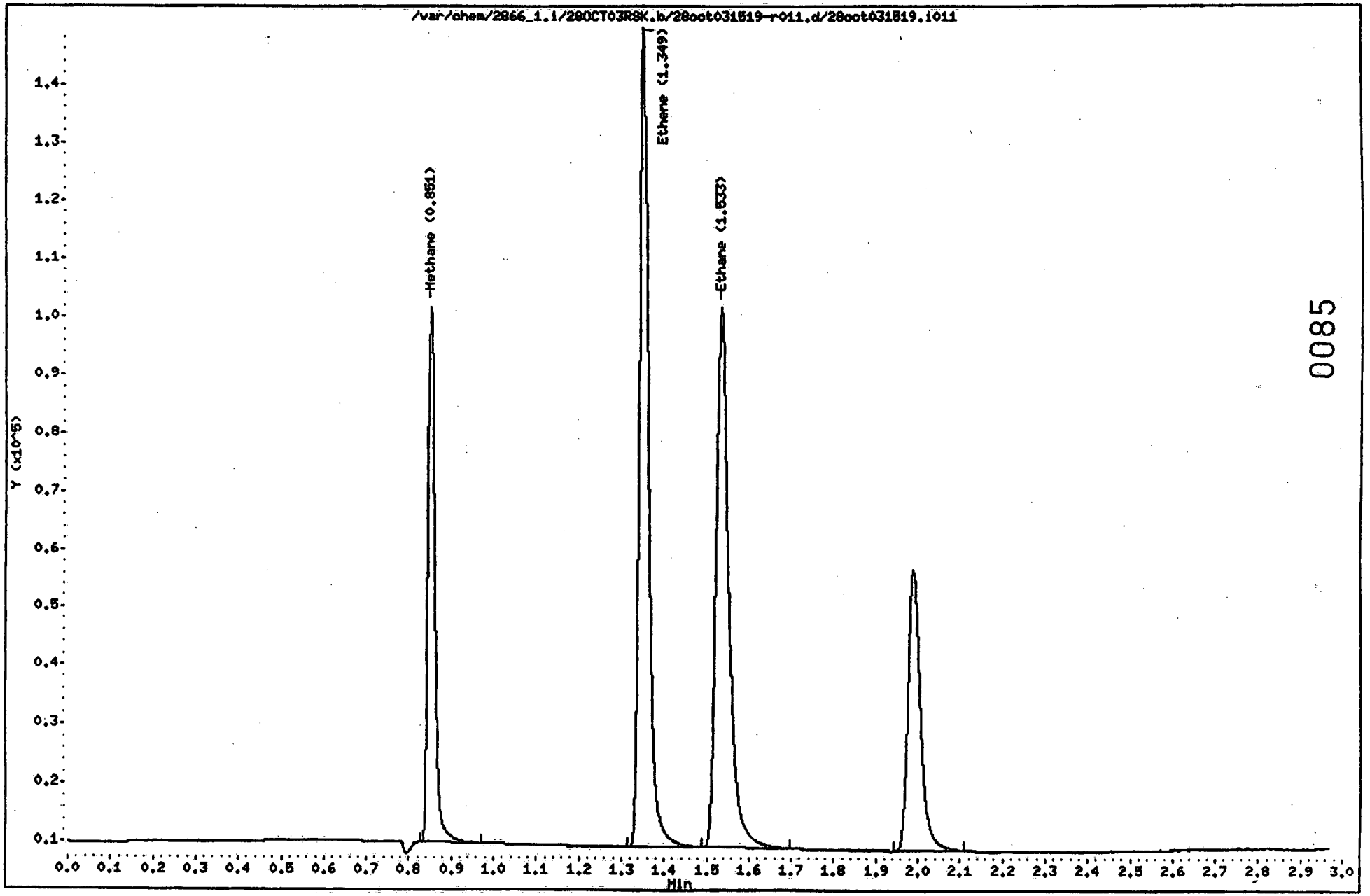
COMPOUND	RRF / AMOUNT	RF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	1389	1409	0.000	-1.43801	30.00000	Averaged
2 Ethene	1492	1672	0.000	-12.09111	30.00000	Averaged
3 Ethane	1289	1416	0.000	-9.86582	30.00000	Averaged

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031519-r011.d
Date : 28-OCT-2003 15:36
Client ID: CCV
Sample Info: CCV,1028G7,1

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

903/1028



Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031519-r01 Page 2
Report Date: 03-Nov-2003 21:27

STL Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 2866_1.i Injection Date: 28-OCT-2003 15:36
Lab File ID: 28oct031519-r01 Init. Cal. Date(s): 27-OCT-2003 27-OCT-2003
Analysis Type: WATER Init. Cal. Times: 13:18 14:06
Lab Sample ID: CCV Quant Type: ESTD
Method: /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m

COMPOUND	RRF / AMOUNT	RF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	1389	1441	0.000	-3.70376	30.00000	Averaged
2 Ethene	1492	1664	0.000	-11.54951	30.00000	Averaged
3 Ethane	1289	1428	0.000	-10.75958	30.00000	Averaged

SEVERN TRENT STL

RSK-175

RAW QC DATA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKG6

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: ABLKG6

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R051

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r051.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r051.d
Lab Smp Id: ABLKG6 Client Smp ID: ABLKG6
Inj Date : 27-OCT-2003 14:53
Operator : JKN Inst ID: 2866_1.i
Smp Info : ABLKG6,1027G6,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

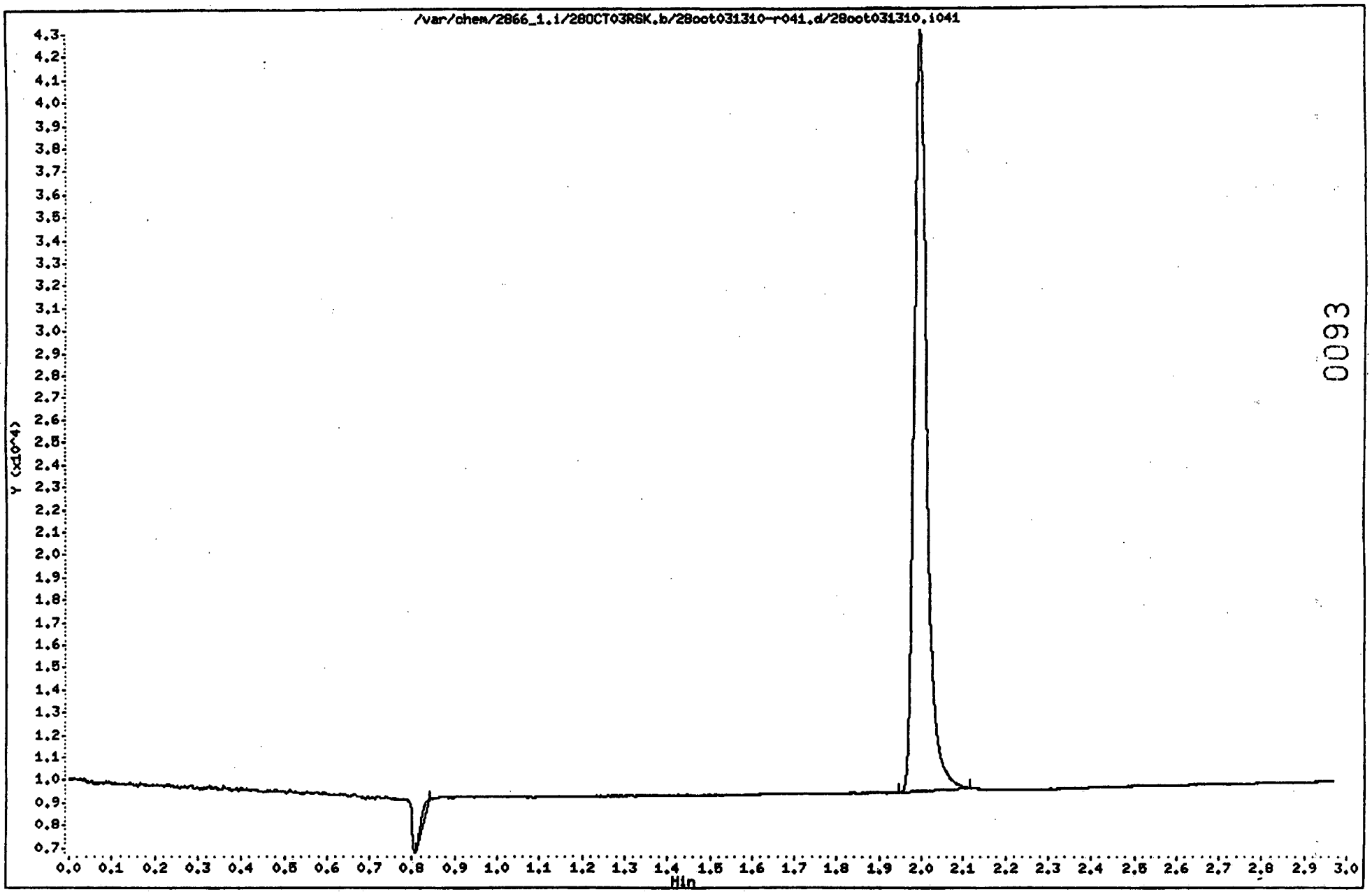
Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r041.d
Date : 28-OCT-2003 13:43
Client ID: ABLKG7
Sample Info: ABLKG7,1028G7,1

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5RMS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780MS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R211

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	82	
74-84-0	Ethane	110	
74-85-1	Ethene	98	

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r211.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r211.d
Lab Smp Id: 546780MS Client Smp ID: WE-5RMS
Inj Date : 28-OCT-2003 11:19
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-5RMS :[MS]10/14/03 @1154(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.833	0.849	-0.016	114686	82.5457	82(M)
2 Ethene	1.308	1.314	-0.006	147037	98.5724	98
3 Ethane	1.487	1.495	-0.008	141084	109.438	110

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5RMSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780MD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R221

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	80	
74-84-0	Ethane	120	
74-85-1	Ethene	100	

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r221.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r221.d
Lab Smp Id: 546780MD Client Smp ID: WE-5RMSD
Inj Date : 28-OCT-2003 11:26
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-5RMSD :[MSD]10/14/03 @1154(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.822	0.849	-0.027	111230	80.0583	80(M)
2 Ethene	1.296	1.314	-0.018	153491	102.899	100
3 Ethane	1.476	1.495	-0.019	151422	117.457	120

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G6LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G6LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	70	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r021.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r021.d
Lab Smp Id: G6LCS Client Smp ID: G6LCS
Inj Date : 27-OCT-2003 14:39
Operator : JKN Inst ID: 2866_1.i
Smp Info : G6LCS,1027G6,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.813	0.849	-0.036	97232	69.9831	70(M)
2 Ethene	1.289	1.314	-0.025	197904	132.673	130
3 Ethane	1.466	1.495	-0.029	186300	144.512	140

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G6LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G6LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	69	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r031.d
Lab Smp Id: G6LCSD Client Smp ID: G6LCSD
Inj Date : 27-OCT-2003 14:42
Operator : JKN Inst ID: 2866_1.i
Smp Info : G6LCSD,1027G6,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.808	0.849	-0.041	95616	68.8200	69(M)
2 Ethene	1.284	1.314	-0.030	194473	130.373	130
3 Ethane	1.460	1.495	-0.035	182963	141.924	140

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G7LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G7LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	77	
74-84-0	Ethane	160	
74-85-1	Ethene	150	

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r021.d Page 1
Report Date: 03-Nov-2003 21:26

STL Burlington

Data file : /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r021.d
Lab Smp Id: G7LCS Client Smp ID: G7LCS
Inj Date : 28-OCT-2003 13:33
Operator : JKN Inst ID: 2866_1.i
Smp Info : G7LCS,1028G7,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 21:26 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.849	0.849	0.000	106484	76.6423	77 (M)
2 Ethene	1.345	1.314	0.031	217960	146.119	150
3 Ethane	1.529	1.495	0.034	200162	155.265	160

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G7LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G7LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	75	
74-84-0	Ethane	150	
74-85-1	Ethene	140	

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r031.d Page 1
Report Date: 03-Nov-2003 21:26

STL Burlington

Data file : /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r031.d
Lab Smp Id: G7LCSD Client Smp ID: G7LCSD
Inj Date : 28-OCT-2003 13:37
Operator : JKN Inst ID: 2866_1.i
Smp Info : G7LCSD,1028G7,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 21:26 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.861	0.849	0.012	103862	74.7551	75 (M)
2 Ethene	1.356	1.314	0.042	212199	142.256	140
3 Ethane	1.541	1.495	0.046	196477	152.406	150

QC Flag Legend

M - Compound response manually integrated.

SEVERN TRENT STL

ORGANIC
SAMPLE PREPARATION

Method: RSK-175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 270CT03RSK

Opened: 10/27/03 Time: 1318
Closed: 10/28/03 Time: 1314

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1101	CCV	CCV	N/A	270CT03 1046	1	1	↓	JKW	
1125	CCV	CCV	↓	270CT03 1113	1	↓	↓	↓	
1158	CCV	CCV	↓	270CT03 1146	1	↓	↓	↓	
1318	CAL1	Initial Cal.		270CT03 1255	1	↓	✓	↓	
1322	CAL2	↓		↓	2	↓	—	↓	bad sample prep
1326	CAL3	↓		↓	3	↓	—	↓	
1332	CAL4	↓		↓	4	↓	✓	↓	
1336	CAL5	↓		↓	5	↓	—	↓	
1406	CAL2	↓		270CT03 1355	1	↓	✓	↓	
1439	GGLCS	GGLCS	N/A	↓	2	↓	✓	↓	use as cal. ver std.
1442	GGLCSD	GGLCSD	↓	↓	3	↓	✓	↓	
1446	CAL1	CAL1	↓	↓	4	↓	✓	↓	Reporting limit check
1453	ABLKGG	ABLKGG	↓	↓	5	↓	✓	↓	
1532	547764	SW-31-R1	96703	270CT03 1508	1	↓	—	↓	vial 2
1536	547720	SW-21-R1	96724	↓	2	↓	—	↓	↓
1540	CCV	CCV	N/A	↓	3	↓	—	↓	Per client request
1546	ABLK	ABLK	↓	↓	4	↓	—	↓	↓
1611	547509	MW-14	96680	270CT03 1556	1	↓	✓	↓	vial 1
1615	547509MS	MW-14MS	↓	↓	2	↓	✓	↓	↓
1619	547509MD	MW-14MD	↓	↓	3	↓	✓	↓	vial 2

922/1028

Method: RSK-175
Device: 2866
Channel: S1
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 270CT031RSK

Opened: 10/27/03 Time: 1318
Closed: 10/28/03 Time: 1314

Standard Lot#
Calibration: MV02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1625	SY7510	MW-6	96680	270CT031556	4	1	✓	JKN	vial b1
1629	SY7511	MW-15	↓	↓	5	↓	✓	↓	↓
1633	SY7512	MW-11			6		✓		
1640	SY7513	MW-16			7		✓		
1644	SY7514	MW-13			8		✓		
1824	SY7515	MW-17S			9		✓		
1827	SY7516	MW-10S			10		↑		Methane >1300
1831	SY7517	MW-7			11		↓		
1838	SY7518	MW-8			12		↓		
1842	SY7519	MW-5			13		↓		
1846	SY7520	MW-9			14		↑		Methane >1500
1852	SY7521	MW-12	↓		15		↓		
1906	SY7714	MW-237C	96697		16		↓		
1910	SY7715	MW-237C DUP			17		✓		
1914	SY7716	MW-235B			18		↓		
1920	SY7717	MW-135A			19		↓		
1924	SY7718	MW-135A DUP	↓		20		↓		↓
1928	FBLK	FBLK	N/A		21				
1934	SY7719	MW-227	96697		22	↓	✓		vial b1
1938	SY7720	MW-138A	↓	↓	23		↓	↓	↓

923/1028

Method: RSK-175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 27OCT03 RSK

Opened: 10 / 27 / 03 Time: 1318
Closed: 10 / 28 / 03 Time: 1418

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1028	546631	MW-500	96580	28OCT03O909	10	1	↑	JKW	Methane @ 681 vial b2
1033	546632	MW-106	↓		11		↑		Methane @ 590
1037	546633	MW-12R			12		↑		Methane @ 870
1043	546773	SW-01	96598		13		✓		vial b1
1047	546774	SW-02			14		✓		
1051	546775	SW-03			15		✓		
1057	546776	SW-04			16		✓		
1101	546777	FBSW101403			17		✓		
1105	546778	CBT-66			18		↑		Methane @ 1100 JKW 10/28/03
1111	546779	GEL-65			19		↑		Methane 7/100
1115	546780	WE-5R			20		✓		vial b1
1119	546780MS	WE-5RMS			21		✓		
1126	546780MD	WE-5RMD			22		✓		vial b2
1130	546781	FB101403			23		✓		vial b1
1134	546782	GEL-10G			24		↑		Methane 7/500
1140	546783	WE-10R			25		✓		
1144	546784	WE-10S			26		✓		
1148	546785	WE-7R			27		✓		
1154	546786	WE-7S	↓		28		↑		Methane 7/100
1158	EBLK	EBLK	N/A	↓	29	↓	✓	↓	

924/1028

Method: RSK-175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 28OCT03RSK

Opened: 10 / 28 / 03 Time: 1329
Closed: 10 / 29 / 03 Time: 1329

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1329	CCV	CCV	N/A	28OCT031310	1	1	✓	JKW	
1333	G7LCS	G7LCS			2		✓		
1337	G7LCSD	G7LCSD			3		✓		
1343	ABLKG7	ABLKG7	✓	✓	4	✓	✓		
1420	546627MS	MW-113MS	96580	28OCT031401	1	20	✓		vial k6
1424	546631	MW-500			2	5	✓		vial k3
1428	546632	MW-106			3	3	✓		↓
1434	546633	W-12R	✓		4	5	✓		
1438	546778	CEI-6G	96598		5	10	✓		vial k2
1442	546779	CEI-6S	↓		6	10	✓		↓
1448	546782	CEI-10G	96598		7	40	✓		
1452	546786	WE-7S	↓	✓	8	10	✓		
1536	CCV	CCV	N/A	28OCT031519	1	1	✓	✓	

SCC 10/26/03

925/1028

SEVERN TRENT STL

SAMPLE HANDLING

ORIGIN ID: DKKA (716) 691-2600
KEN KINECKI
SEVERN TRENT LABRATORIES
10 HAZELWOOD DR.

AMHERST, NY 14228

SHIP DATE: 160CT03
SYSTEM #735603 / CAFE2165
ACTUAL WGT: 71.5 LBS SCALE
ACCOUNT #: 235689596

FedEx

FedEx Revenue Barcode

TO:

SAMPLE RECEIVING (802) 655-1203
STL-BURLINGTON
208 SOUTH PARK DRIVE SUITE 1

COLCHESTER, VT 05446

REF: 295-SUB-STL VERMONT

Delivery Address Barcode (FedEx-EDR)

PRIORITY OVERNIGHT

TRK# 6132 3567 1315 FORM 0201

FRI
Deliver by:
17OCT03
AA

BTV

05446 -VT-US ED BTVA

Part # 154254-354 RIT 02/03 •

10.17.03
1045

0128

STL Burlington
COOLER RECEIPT CHECKLIST

Date Received: 10/17/03 **Sample Custodian:** GJC

Time Received: 1045 **ETR/SDG:** 96598/96598

RADIATION SCREEN: <0.05 MR/HR (YES) NO
If yes, stop work and alert the Supervisor and the PM.

CUSTODY SEALS PRESENT: (YES) NO

If yes, were the custody seals signed? YES (NO)

If yes, are custody seal numbers present? (YES) NO

List custody seal numbers: 971086

TEMPERATURE CHECK: 0 (°C)

Acceptance Criteria (0-6°C) except air samples, which should be shipped at ambient temperature and/or biota/tissue samples, which may be frozen on receipt. The thermal preservation of samples that are hand delivered immediately following collection is considered acceptable if there is evidence that the chilling process has begun.

Thermal Preservation Type: (ICE) ICE PACK NONE

CONDITION OF SAMPLE CONTAINERS: (INTACT) BROKEN

If broken, list the client ID for each broken container:

Were any samples received with a short hold time* remaining?
** <7 Days*

WET CHEMISTRY	YES	(NO)
METALS	YES	(NO)
ORGANIC EXTRACTABLES	YES	(NO)
VOLATILE (received unpreserved)	YES	(NO)

If yes, expedite sample log in procedure and alert the appropriate Department Manager.

ANALYTICAL REPORT

JOB NUMBER: 205027

Prepared For:

SEVERN TRENT LABORATORIES-BUFFALO
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Project: A03-9905 NY0A8675.2

Attention: Amy Haag

Date: 10/28/2003

Signature

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

10/29/03
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (21) Pages

SEVERN TRENT STL

STL Report : 205027
STL-BUFFALO

Case Narrative

Sample Receipt – The samples were received at 16°C. The client was notified, and the laboratory was instructed to proceed with the metals analyses. Cyanide analysis was cancelled.

Metals – ICAP metals were determined by ICP using a TJA61E Trace ICAP according to the USEPA 200.7 SOW. Mercury was determined using a Perkin Elmer mercury analyzer following USEPA method 245.1.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION

Date: 10/28/2003

Job Number.: 205027
Customer...: SEVERN TRENT LABORATORIES-BUFFALO
Attn.....: Amy Haag

Project Number.....: 20000661
Customer Project ID....: A03-9905 NY0A8675.2
Project Description....: WMI

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205027-1	GEI-3G	Water	10/13/2003	11:50	10/15/2003	09:45
205027-2	GEI-5G	Water	10/13/2003	13:28	10/15/2003	09:45
205027-3	WE-5S	Water	10/13/2003	14:06	10/15/2003	09:45
205027-4	WE-6R	Water	10/13/2003	10:15	10/15/2003	09:45
205027-5	FB101303	Water	10/13/2003	08:15	10/15/2003	09:45

Job Number: 205027

LABORATORY TEST RESULTS

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO | PROJECT: A03-9905 NY0A8675.2 | ATTN: Amy Haag

Customer Sample ID: GEI-3G
Date Sampled.....: 10/13/2003
Time Sampled.....: 11:50
Sample Matrix.....: Water

Laboratory Sample ID: 205027-1
Date Received.....: 10/15/2003
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1555	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	5	ug/L	24120		10/23/03 1137	nnp
	Arsenic, Diss.	ND	U		17.0	200	5	ug/L	24120		10/23/03 1137	nnp
	Barium, Diss.	609			4.2	25.0	5	ug/L	24120		10/23/03 1137	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	5	ug/L	24120		10/23/03 1137	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	5	ug/L	24120		10/23/03 1137	nnp
	Lead, Diss.	ND	U		17.5	50.0	5	ug/L	24120		10/23/03 1137	nnp
	Manganese, Diss.	304			13.5	75.0	5	ug/L	24120		10/23/03 1137	nnp
	Nickel, Diss.	ND	U		8.5	50.0	5	ug/L	24120		10/23/03 1137	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	5	ug/L	24120		10/23/03 1137	nnp
	Zinc, Diss.	ND	U		50.0	250	5	ug/L	24120		10/23/03 1137	nnp

* In Description = Dry Wgt.

932/1028

Job Number: 205027

LABORATORY TEST RESULTS

Date: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NY0A8675.2

ATTN: Amy Haag

Customer Sample ID: GEI-5G
Date Sampled.....: 10/13/2003
Time Sampled.....: 13:28
Sample Matrix.....: Water

Laboratory Sample ID: 205027-2
Date Received.....: 10/15/2003
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1556	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	5	ug/L	24120		10/23/03 1207	nnp
	Arsenic, Diss.	ND	U		17.0	200	5	ug/L	24120		10/23/03 1207	nnp
	Barium, Diss.	481			4.2	25.0	5	ug/L	24120		10/23/03 1207	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	5	ug/L	24120		10/23/03 1207	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	5	ug/L	24120		10/23/03 1207	nnp
	Lead, Diss.	ND	U		17.5	50.0	5	ug/L	24120		10/23/03 1207	nnp
	Manganese, Diss.	135			13.5	75.0	5	ug/L	24120		10/23/03 1207	nnp
	Nickel, Diss.	25.4	B		8.5	50.0	5	ug/L	24120		10/23/03 1207	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	5	ug/L	24120		10/23/03 1207	nnp
	Zinc, Diss.	ND	U		50.0	250	5	ug/L	24120		10/23/03 1207	nnp

* In Description = Dry Wgt.

933/1028

Job Number: 205027

LABORATORY TEST RESULTS

Date: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NY0A8675.2

ATTN: Amy Haag

Customer Sample ID: WE-5S
Date Sampled.....: 10/13/2003
Time Sampled.....: 14:06
Sample Matrix.....: Water

Laboratory Sample ID: 205027-3
Date Received.....: 10/15/2003
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1557	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	5	ug/L	24120		10/23/03 1213	nnp
	Arsenic, Diss.	ND	U		17.0	200	5	ug/L	24120		10/23/03 1213	nnp
	Barium, Diss.	705			4.2	25.0	5	ug/L	24120		10/23/03 1213	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	5	ug/L	24120		10/23/03 1213	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	5	ug/L	24120		10/23/03 1213	nnp
	Lead, Diss.	ND	U		17.5	50.0	5	ug/L	24120		10/23/03 1213	nnp
	Manganese, Diss.	2980			13.5	75.0	5	ug/L	24120		10/23/03 1213	nnp
	Nickel, Diss.	29.8	B		8.5	50.0	5	ug/L	24120		10/23/03 1213	nnp
	Vanadium, Diss.	12.2	B		5.0	30.0	5	ug/L	24120		10/23/03 1213	nnp
	Zinc, Diss.	ND	U		50.0	250	5	ug/L	24120		10/23/03 1213	nnp

* In Description = Dry Wgt.

Job Number: 205027

LABORATORY TEST RESULTS

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NY0A8675.2

ATTN: Amy Haag

Customer Sample ID: WE-6R
Date Sampled.....: 10/13/2003
Time Sampled.....: 10:15
Sample Matrix.....: Water

Laboratory Sample ID: 205027-4
Date Received.....: 10/15/2003
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1558	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	5	ug/L	24120		10/23/03 1219	nnp
	Arsenic, Diss.	ND	U		17.0	200	5	ug/L	24120		10/23/03 1219	nnp
	Barium, Diss.	633			4.2	25.0	5	ug/L	24120		10/23/03 1219	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	5	ug/L	24120		10/23/03 1219	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	5	ug/L	24120		10/23/03 1219	nnp
	Lead, Diss.	ND	U		17.5	50.0	5	ug/L	24120		10/23/03 1219	nnp
	Manganese, Diss.	1100			13.5	75.0	5	ug/L	24120		10/23/03 1219	nnp
	Nickel, Diss.	13.7	B		8.5	50.0	5	ug/L	24120		10/23/03 1219	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	5	ug/L	24120		10/23/03 1219	nnp
	Zinc, Diss.	ND	U		50.0	250	5	ug/L	24120		10/23/03 1219	nnp

* In Description = Dry Wgt.

935/1028

LABORATORY TEST RESULTS

Job Number: 205027

Date: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NY0A8675.2

ATTN: Amy Haag

Customer Sample ID: FB101303
Date Sampled.....: 10/13/2003
Time Sampled.....: 08:15
Sample Matrix.....: Water

Laboratory Sample ID: 205027-5
Date Received.....: 10/15/2003
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1559	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		4.5	20.0	1	ug/L	24120		10/23/03 1225	nnp
	Arsenic, Diss.	ND	U		3.4	40.0	1	ug/L	24120		10/23/03 1225	nnp
	Barium, Diss.	10.7			0.85	5.0	1	ug/L	24120		10/23/03 1225	nnp
	Beryllium, Diss.	ND	U		0.63	5.0	1	ug/L	24120		10/23/03 1225	nnp
	Cadmium, Diss.	ND	U		0.93	10.0	1	ug/L	24120		10/23/03 1225	nnp
	Lead, Diss.	ND	U		3.5	10.0	1	ug/L	24120		10/23/03 1225	nnp
	Manganese, Diss.	ND	U		2.7	15.0	1	ug/L	24120		10/23/03 1225	nnp
	Nickel, Diss.	ND	U		1.7	10.0	1	ug/L	24120		10/23/03 1225	nnp
	Vanadium, Diss.	ND	U		0.99	6.0	1	ug/L	24120		10/23/03 1225	nnp
	Zinc, Diss.	ND	U		10.0	50.0	1	ug/L	24120		10/23/03 1225	nnp

* In Description = Dry Wgt.

936/1028

LABORATORY CHRONICLE

Job Number: 205027

Date: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9905 NY0A8675.2 ATTN: Amy Haag

Lab ID: 205027-1 Client ID: GEI-3G

METHOD	DESCRIPTION
200.7	Acid Digestion,Total Recoverable(ICAP)
245.1/245.5	EPA Digestion (Hg)
245.1	Mercury (CVAA)
200.7	Metals Analysis (ICAP Trace)

Date Recvd: 10/15/2003 Sample Date: 10/13/2003

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	23727		10/16/2003	0000	
1	24046		10/23/2003	0000	
1	24118	24046	10/24/2003	1555	1.0000
1	24120	23727	10/23/2003	1137	5

Lab ID: 205027-2 Client ID: GEI-5G

METHOD	DESCRIPTION
200.7	Acid Digestion,Total Recoverable(ICAP)
245.1/245.5	EPA Digestion (Hg)
245.1	Mercury (CVAA)
200.7	Metals Analysis (ICAP Trace)

Date Recvd: 10/15/2003 Sample Date: 10/13/2003

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	23727		10/16/2003	0000	
1	24046		10/23/2003	0000	
1	24118	24046	10/24/2003	1556	1.0000
1	24120	23727	10/23/2003	1207	5

Lab ID: 205027-3 Client ID: WE-5S

METHOD	DESCRIPTION
200.7	Acid Digestion,Total Recoverable(ICAP)
245.1/245.5	EPA Digestion (Hg)
245.1	Mercury (CVAA)
200.7	Metals Analysis (ICAP Trace)

Date Recvd: 10/15/2003 Sample Date: 10/13/2003

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	23727		10/16/2003	0000	
1	24046		10/23/2003	0000	
1	24118	24046	10/24/2003	1557	1.0000
1	24120	23727	10/23/2003	1213	5

Lab ID: 205027-4 Client ID: WE-6R

METHOD	DESCRIPTION
200.7	Acid Digestion,Total Recoverable(ICAP)
245.1/245.5	EPA Digestion (Hg)
245.1	Mercury (CVAA)
200.7	Metals Analysis (ICAP Trace)

Date Recvd: 10/15/2003 Sample Date: 10/13/2003

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	23727		10/16/2003	0000	
1	24046		10/23/2003	0000	
1	24118	24046	10/24/2003	1558	1.0000
1	24120	23727	10/23/2003	1219	5

Lab ID: 205027-5 Client ID: FB101303

METHOD	DESCRIPTION
200.7	Acid Digestion,Total Recoverable(ICAP)
245.1/245.5	EPA Digestion (Hg)
245.1	Mercury (CVAA)
200.7	Metals Analysis (ICAP Trace)

Date Recvd: 10/15/2003 Sample Date: 10/13/2003

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	23727		10/16/2003	0000	
1	24046		10/23/2003	0000	
1	24118	24046	10/24/2003	1559	1.0000
1	24120	23727	10/23/2003	1225	

QUALITY CONTROL RESULTS

Job Number.: 205027

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9905 NY0A8675.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M03ILCS002	23727 -002		10/23/2003	1056

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 24120

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony	ug/L	1062.17		1000.00		106	%	85-115	
Arsenic	ug/L	1071.79		1000.00		107	%	85-115	
Barium	ug/L	319.45		300.00		106	%	85-115	
Beryllium	ug/L	110.60		100.00		111	%	85-115	
Cadmium	ug/L	315.35		300.00		105	%	85-115	
Lead	ug/L	1043.47		1000.00		104	%	85-115	
Manganese	ug/L	211.36		200.00		106	%	85-115	
Nickel	ug/L	317.89		300.00		106	%	85-115	
Vanadium	ug/L	310.42		300.00		103	%	85-115	
Zinc	ug/L	318.08		300.00		106	%	85-115	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 205027

QUALITY CONTROL RESULTS

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9905 NYOA8675.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		23727 -001		10/23/2003	1050

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 24120

Analyst...: nnp

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony	ug/L	4.5	U							
Arsenic	ug/L	3.4	U							
Barium	ug/L	1.2	B							
Beryllium	ug/L	0.6	U							
Cadmium	ug/L	0.9	U							
Lead	ug/L	3.5	U							
Manganese	ug/L	2.7	U							
Nickel	ug/L	1.7	U							
Vanadium	ug/L	1.0	U							
Zinc	ug/L	10.0	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205027 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9905 NYOA8675.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		205027-1	5	10/23/2003	1143

Test Method.....: 200.7 Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24120

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	22.50	U			22.50	U	1.7720		4.5000	
Arsenic, Diss.	ug/L	17.00	U			17.00	U	0.2178		3.4000	
Barium, Diss.	ug/L	598.05				609.14		1.8		20.0	
Beryllium, Diss.	ug/L	3.15	U			3.15	U	0.0095		0.6300	
Cadmium, Diss.	ug/L	4.65	U			4.65	U	0.0795		0.9300	
Lead, Diss.	ug/L	17.50	U			17.50	U	0.7174		3.5000	
Manganese, Diss.	ug/L	300.15				303.98		1.3		20.0	
Nickel, Diss.	ug/L	8.50	U			8.50	U	0.0656		1.7000	
Vanadium, Diss.	ug/L	4.95	U			4.95	U	0.1232		0.9900	
Zinc, Diss.	ug/L	50.00	U			50.00	U	0.1425		10.0000	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205027

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: AD3-9905 NYOA8675.2 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03EWRK023	205027-1	5	10/23/2003	1201

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 24120

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	109.97		500.00	22.50 U	110		75-125	
Arsenic, Diss.	ug/L	46.66	B	200.00	17.00 U	117		75-125	
Barium, Diss.	ug/L	2714.46		10000.00	609.14	105		75-125	
Beryllium, Diss.	ug/L	54.02		250.00	3.15 U	108		75-125	
Cadmium, Diss.	ug/L	55.07		250.00	4.65 U	110		75-125	
Lead, Diss.	ug/L	20.20	B	100.00	17.50 U	101		75-125	
Manganese, Diss.	ug/L	840.07		2500.00	303.98	107		75-125	
Nickel, Diss.	ug/L	551.14		2500.00	8.50 U	110		75-125	
Vanadium, Diss.	ug/L	539.16		2500.00	4.95 U	108		75-125	
Zinc, Diss.	ug/L	534.71		2500.00	50.00 U	107		75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205027

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9905 NYOA8675.2 ATTN: Amy Haag

Test Method.....: 245.1
Method Description.: Mercury (CVAA)
Parameter.....: Mercury

Batch.....: 24118
Equipment Code....: MERC1

Analyst...: nnp
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	24046 -001		ug/L	0.2	U									10/24/2003	1542
LCS	24046 -002	M03HSTK001	ug/L	1550.04			1480.00			105		%	80-120	10/24/2003	1542
MD	205026-1		ug/L	0.18	U			0.18	U	0.0019			0.1800	10/24/2003	1546
MS	205026-1	M02KWRK027	ug/L	1.37			2.00	0.18	U	68	N		75-125	10/24/2003	1547
MB	24046 -001		ug/L	0.2	U									10/24/2003	1607
LCS	24046 -002	M03HSTK001	ug/L	1527.25			1480.00			103		%	80-120	10/24/2003	1608
MD	205062-3		ug/L	0.18	U			0.18	U	0.0124			0.1800	10/24/2003	1612
MS	205062-3	M02KWRK027	ug/L	1.89			2.00	0.18	U	95			75-125	10/24/2003	1613
MSD	205062-3	M02KWRK027	ug/L	1.88			2.00	0.18	U	94			75-125	10/24/2003	1631

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the reporting limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the reporting limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

-	MB,EB, MLE: Batch QC is greater than reporting limit.
*	LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A	Concentration exceeds the instrument calibration range or below the reporting limit.
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

945/1028

Date: 10/14/2003
Time: 11:55:50

STL Buffalo
Internal Chain of Custody

Page: 1
Rept: AN0093

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 015

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-3G (01)	A3990501	GW	D METALS	1-8ozP	10/13/2003 11:50
			T CN	1-8ozP	10/13/2003 11:50
GEI-5G (02)	A3990502	GW	D METALS	1-8ozP	10/13/2003 13:28
			T CN	1-8ozP	10/13/2003 13:28
WE-5S (03)	A3990503	GW	D METALS	1-8ozP	10/13/2003 14:06
			T CN	1-8ozP	10/13/2003 14:06
WE-6R (04)	A3990504	GW	D METALS	1-8ozP	10/13/2003 10:15
			T CN	1-8ozP	10/13/2003 10:15
FB101303 (05)	A3990505	WATER	D METALS	1-8ozP	10/13/2003 08:15
			T CN	1-8ozP	10/13/2003 08:15

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1)	/ /20		(3)	/ /20	
(2)	/ /20		(4) J. Blackman STL	10/15/2003	9:45 am

205027 10/27/2003
SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

"PACKED HAD SCREEN"
16°C

946/1028

Job No: A03-9905
Project/Task: NY0A8575.2 2

Test No. / SME	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tcip	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	QC Limits	RPD
	SOLUBLE METALS																	
CTA17590	*SUB* ZINC - DISSOLVED - W RL =	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.01000	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17591	*SUB* ANTIMONY - DISSOLVED - W R	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00600	A00084	1.00 ML	10.00 UG/ML	(80-120)	20.0
CTA17592	*SUB* ARSENIC - DISSOLVED - W RL	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00400	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17593	*SUB* BARIUM - DISSOLVED - W - RL	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00100	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17594	*SUB* BERYLLIUM - DISSOLVED - W	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00100	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17595	*SUB* CADMIUM - DISSOLVED - W RL	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00100	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17596	*SUB* LEAD - DISSOLVED - W RL =	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00300	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17597	*SUB* MANGANESE - DISSOLVED - WIT	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00100	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17598	*SUB* NICKEL - DISSOLVED - W RL=	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00200	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17599	*SUB* VANADIUM - DISSOLVED - W -	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00200	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0

Test No. / TME	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tcip	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	QC Limits	RPD
	TOTAL METALS																	
CTA17600	*SUB* MERCURY - DISSOLVED - W RL	CFR136	245.1	Water	N	S	0	28	28	D	MG/L	CDL	0.00020	A00084	2.00 ML	0.10 UG/ML	(75-125)	20.0

Test No. / WC	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tcip	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	QC Limits	RPD
	WET CHEMISTRY																	
CTA17621	*SUB:STL CT* TOTAL CYANIDE - W R	CFR136	335.3	Water	N	S	0	0	14	N	MG/L	CDL	0.02000	A00088		*** No Limits ***		

17

"PASSED RAD SCREEN"

947/1028

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 205027 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 10/15/2003
Project Number.: 20000661 Project Description.: WMI Project Manager.....: mds
Customer.....: SEVERN TRENT LABORATORIES-BUFFALO Contact.: Michelle Buchwald

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	N	16C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?	Y	
Sample Custodian Signature/Date	Y	

10/15/03

Page 1

STL - Connecticut
Internal Chain-of-Custody

205027 10/27/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Trip Blank: —

QC: — Air: —

FB: 05

Soil: — Water: 01-05

Date Received: 10/15/03

Sample #s: 01-05

Locations: 91C

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
01-05	CC	EPT	10/16	1920	metals	EPT	CC	10/16	2145
01-05	CC	EPT	10/23	1380	metals	EPT	CC	10/23	2200

STL Form# SMF00507.CT

949/1028

1-1027

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 205027 **Sample Numbers:** 01-05 Dissolved

(WATER) - SOIL - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of the preparation:

Sample Prep:

E Martin	10/10/03	ICP
E Martin	10/23/03	Mercury
Chemist	Date(s)	

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis:

[signature]	10/27/03	ICP
[signature]	10/27/03	Mercury
Chemist	Date(s)	

I have reviewed and authorized the release of the job:

Complete: [signature] 10/27/03
Supervisor Date

QAF02600.CT

Severn Trent Laboratories, Inc.
STL Connecticut • 128 Long Hill Cross Road, Shelton, CT 06484
Tel 203 929 8140 Fax 203 929 8142 • www.stl-inc.com
A part of Severn Trent plc

STL/CT PRESERVATIVE RECORD

205027 10/27/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
205027-01	HNO3	<2	NA	NA	NA	CC	10/27/03
02		<2					
03		<2					
04		<2					
05	HNO3	<2					
01	NAOH	>12					
02		>12					
03		>12					
04		>12					
05	NAOH	>12	NA	NA	NA	CC	10/27/03

10/27/03

STL Form# SMF00203.CT

951/1028

ANALYTICAL REPORT

JOB NUMBER: 205081

Prepared For:

SEVERN TRENT LABORATORIES-BUFFALO
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Project: A03-9905 NY0A8575.2

Attention: Amy Haag

Date: 10/28/2003

Signature

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

10/29/03
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (16) Pages

SEVERN TRENT STL

STL Report : 205081
STL-BUFFALO

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.
Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered.

Analyte	Method	Reference
Cyanide, Total	335.4	1

References:

1. Methods of Chemical Analysis of Water and Wastes, EPA 600, 1983.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION
Date: 10/28/2003

Job Number.: 205081
Customer...: SEVERN TRENT LABORATORIES-BUFFALO
Attn.....: Amy Haag

Project Number.....: 20000661
Customer Project ID....: A03-9905 NY0A8575.2
Project Description....: WMI

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205081-1	GEI-3G	Water	10/13/2003	11:50	10/21/2003	09:50
205081-2	GEI-5G	Water	10/13/2003	13:28	10/21/2003	09:50
205081-3	WE-5S	Water	10/13/2003	14:06	10/21/2003	09:50
205081-4	WE-6R	Water	10/13/2003	10:15	10/21/2003	09:50
205081-5	FB101303	Water	10/13/2003	08:15	10/21/2003	09:50

Job Number: 205081

LABORATORY TEST RESULTS

Date:10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: GEI-3G
Date Sampled.....: 10/13/2003
Time Sampled.....: 11:50
Sample Matrix.....: Water

Laboratory Sample ID: 205081-1
Date Received.....: 10/21/2003
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	24032		10/23/03 1537	dtn

* In Description = Dry Wgt.

955/1028

LABORATORY TEST RESULTS

Job Number: 205081

Date:10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: GEI-5G
Date Sampled.....: 10/13/2003
Time Sampled.....: 13:28
Sample Matrix.....: Water

Laboratory Sample ID: 205081-2
Date Received.....: 10/21/2003
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	3.0	B		1.0	10.0	1.0	ug/L	24032		10/23/03 1538	dtn

* In Description = Dry Wgt.

956/1028

Job Number: 205081

LABORATORY TEST RESULTS

Date: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: WE-5S
Date Sampled.....: 10/13/2003
Time Sampled.....: 14:06
Sample Matrix.....: Water

Laboratory Sample ID: 205081-3
Date Received.....: 10/21/2003
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	3.4	B		1.0	10.0	1.0	ug/L	24177		10/27/03 1526	ddm

* In Description = Dry Wgt.

957/1028

LABORATORY TEST RESULTS

Job Number: 205081

Date: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: WE-6R
Date Sampled.....: 10/13/2003
Time Sampled.....: 10:15
Sample Matrix.....: Water

Laboratory Sample ID: 205081-4
Date Received.....: 10/21/2003
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	24177		10/27/03 1527	ddm

* In Description = Dry Wgt.

958/1028

Job Number: 205081

LABORATORY TEST RESULTS

Date: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9905 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: FB101303
Date Sampled.....: 10/13/2003
Time Sampled.....: 08:15
Sample Matrix.....: Water

Laboratory Sample ID: 205081-5
Date Received.....: 10/21/2003
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	24177		10/27/03 1529	ddm

* In Description = Dry Wgt.

959/1028

LABORATORY CHRONICLE

Job Number: 205081

Date: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9905 NY0A8575.2 ATTN: Amy Haag

Lab ID: 205081-1 Client ID: GEI-3G
Date Recvd: 10/21/2003 Sample Date: 10/13/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
CN Prep Method	Cyanide sample Preparation	1	24031		10/23/2003	1241	
335.4	Cyanide, Total	1	24032	24031	10/23/2003	1537	1.0

Lab ID: 205081-2 Client ID: GEI-5G
Date Recvd: 10/21/2003 Sample Date: 10/13/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
CN Prep Method	Cyanide sample Preparation	1	24031		10/23/2003	1247	
335.4	Cyanide, Total	1	24032	24031	10/23/2003	1538	1.0

Lab ID: 205081-3 Client ID: WE-5S
Date Recvd: 10/21/2003 Sample Date: 10/13/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
CN Prep Method	Cyanide sample Preparation	1	24070		10/24/2003	1509	
335.4	Cyanide, Total	1	24177	24070	10/27/2003	1526	1.0

Lab ID: 205081-4 Client ID: WE-6R
Date Recvd: 10/21/2003 Sample Date: 10/13/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
CN Prep Method	Cyanide sample Preparation	1	24070		10/24/2003	1522	
335.4	Cyanide, Total	1	24177	24070	10/27/2003	1527	1.0

Lab ID: 205081-5 Client ID: FB101303
Date Recvd: 10/21/2003 Sample Date: 10/13/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
CN Prep Method	Cyanide sample Preparation	1	24070		10/24/2003	1534	
335.4	Cyanide, Total	1	24177	24070	10/27/2003	1529	1.0

QUALITY CONTROL RESULTS

Job Number.: 205081 Report Date.: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9905 NYOA8575.2 ATTN: Amy Haag

Test Method.....: 335.4 Batch.....: 24032 Analyst...: dtn
Method Description.: Cyanide, Total Equipment Code....: LACHET 3 Test Code.: CN
Parameter.....: Cyanide, Total

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	24031 -004		ug/L	2.5	B									10/23/2003	1522
MD	205080-3		ug/L	1.00	U			1.00	U	0.0340			10.0000	10/23/2003	1533
MS	205080-4	W03JWRK048	ug/L	37.45			40.00	1.00	U	94			75-125	10/23/2003	1534

Test Method.....: 335.4 Batch.....: 24177 Analyst...: ddm
Method Description.: Cyanide, Total Equipment Code....: LACHET 3 Test Code.: CN
Parameter.....: Cyanide, Total

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
LCS	24070 -004	W03BLCS004	ug/Kg	100543.60200			82800.00000			121		%	21.6-178.	10/27/2003	1522
MB	24070 -006		ug/L	-1.8	B									10/27/2003	1524
MD	205106-2		ug/L	1.00	U			1.00	U	0.2051			10.0000	10/27/2003	1532
MS	205106-2	W03JWRK048	ug/L	34.70			40.00	1.00	U	87			75-125	10/27/2003	1533
MB	24070 -007		ug/Kg	-121.6733	B									10/27/2003	1538
MD	205069-18		ug/Kg	59.87167	U			59.87167	U	0.7681			500.0000	10/27/2003	1603
MS	205069-18	W03JWRK048	ug/Kg	4985.91521			5384.00000	58.14222	U	93			75-125	10/27/2003	1605
MB	24070 -004	W03BLCS004	ug/Kg	112028.60200			82800.00000			135		%	21.6-178.	10/27/2003	1609
MD	24070 -007		ug/Kg	-121.6733	B									10/27/2003	1611
MS	205070-1		ug/Kg	56.61836	U			56.61836	U	0.3488			500.0000	10/27/2003	1617
	205070-1	W03JWRK048	ug/Kg	1981.69585			2097.00000	56.61836	U	95			75-125	10/27/2003	1619

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

msit 10/28/03

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the reporting limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the reporting limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

-	MB,EB, MLE: Batch QC is greater than reporting limit.
*	LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A	Concentration exceeds the instrument calibration range or below the reporting limit.
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

964/1028

Date: 10/20/2003
Time: 17:08:08

STL Buffalo
Internal Chain of Custody

Rept: AN0093

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 015

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-3G 01	A3990501	GW	D METALS	1-8ozP	10/13/2003 11:50
			T CN	1-8ozP	10/13/2003 11:50
GEI-5G 02	A3990502	GW	D METALS	1-8ozP	10/13/2003 13:28
			T CN	1-8ozP	10/13/2003 13:28
WE-5S 03	A3990503	GW	D METALS	1-8ozP	10/13/2003 14:06
			T CN	1-8ozP	10/13/2003 14:06
WE-6R 04	A3990504	GW	D METALS	1-8ozP	10/13/2003 10:15
			T CN	1-8ozP	10/13/2003 10:15
FB101303 05	A3990505	WATER	D METALS	1-8ozP	10/13/2003 08:15
			T CN	1-8ozP	10/13/2003 08:15

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1)	10/20/2003	17 20	(3)	/ /20	
(2)	/ /20		(4) L. Blockyer	10/21/2003	9:50am

PASSED RAD SCREEN
.0cc

205081 11/02/2003
SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

965/1028

Job No: A03-9905
Project/Task: NY0A8575.2 2

Test No.	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tclp	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	QC Limits	RPD
SME	SOLUBLE METALS																	
CTA17590	*SUB* ZINC - DISSOLVED - W RL =	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.01000	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17591	*SUB* ANTIMONY - DISSOLVED - W R	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00600	A00084	1.00 ML	10.00 UG/ML	(80-120)	20.0
CTA17592	*SUB* ARSENIC - DISSOLVED - W RL	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00400	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17593	*SUB* BARIUM - DISSOLVED - W - RL	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00100	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17594	*SUB* BERYLLIUM - DISSOLVED - W	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00100	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17595	*SUB* CADMIUM - DISSOLVED - W RL	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00100	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17596	*SUB* LEAD - DISSOLVED - W RL =	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00300	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17597	*SUB* MANGANESE - DISSOLVED - WIT	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00100	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17598	*SUB* NICKEL - DISSOLVED - W RL=	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00200	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA17599	*SUB* VANADIUM - DISSOLVED - W -	CFR136	200.7	Water	N	S	0	0	180	N	MG/L	CDL	0.00200	A00084	1.00 ML	10.00 UG/ML	(75-125)	20.0

Test No.	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tclp	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	QC Limits	RPD
TME	TOTAL METALS																	
CTA17600	*SUB* MERCURY - DISSOLVED - W RL	CFR136	245.1	Water	N	S	0	28	28	D	MG/L	CDL	0.00020	A00084	2.00 ML	0.10 UG/ML	(75-125)	20.0

Test No.	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tclp	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	QC Limits	RPD
WC	WET CHEMISTRY																	
CTA17621	*SUB:STL CT* TOTAL CYANIDE - W R	CFR136	335.3	Water	N	S	0	0	14	N	MG/L	CDL	0.02000	A00088	*** No Limits ***			

13

PASSED RAD SCREEN

966/1028

rpjsckl — Job Sample Receipt Checklist Report — V2

Job Number.: 205081 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.:
Project Number.: 20000661 Project Description.: WMI
Customer.....: SEVERN TRENT LABORATORIES-BUFFALO Contact.: Michelle Buchwald

Date of the Report..: 10/21/2003
Project Manager.....: mds

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	OC
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?	Y	FE 6132 3567 2138
Sample Custodian Signature/Date	Y	

10/24/03

Page 1

STL - Connecticut
Internal Chain-of-Custody

205081 11/02/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Trip Blank: —

QC: — Air: —

FB: 05

Soil: — Water: 01-05

Date Received: 10/24/03

Sample #s: 01-05

Locations: 93C

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1|5	CL	DM	10|23	0900	CN	CL	DM	10|23	1636
3|5	CL	DM	10|25	1000	CN	CL	DM	10|24	1530

STL Form# SMF00507.CT

968/1028

STL/CT PRESERVATIVE RECORD

205081 11/02/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
205081-01	NAOH	>12	NA	NA	NA	CC	10/24/03
02	"	>12	"	"	"	"	"
03	"	>12	"	"	"	"	"
04	"	>12	"	"	"	"	"
05	NAOH	>12	NA	NA	NA	CC	10/24/03

10/24/03

STL Form# SMF00203.CT

969/1028

ANALYTICAL REPORT

JOB NUMBER: 205063

Prepared For:

SEVERN TRENT LABORATORIES-BUFFALO
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Project: A03-A033 NY0A8575.2

Attention: Amy Haag

Date: 10/28/2003

Signature

10/29/03
Date

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (30) Pages

SEVERN TRENT STL

STL Report : 205063
STL-BUFFALO

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered.

Analyte	Method	Reference
Cyanide, Total	335.4	1

References:

1. Methods of Chemical Analysis of Water and Wastes, EPA 600, 1983.

Metals – ICAP metals were determined by ICP using a TJA61E Trace ICAP according to the USEPA 200.7 SOW. Mercury was determined using a Perkin Elmer mercury analyzer following USEPA method 245.1.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION
Date: 10/28/2003

Job Number.: 205063
Customer...: SEVERN TRENT LABORATORIES-BUFFALO
Attn.....: Amy Haag

Project Number.....: 20000661
Customer Project ID....: A03-A033 NY0A8575.2
Project Description....: WMI

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205063-1	GEI-10G	Water	10/15/2003	12:22	10/17/2003	09:10
205063-2	WE-10R	Water	10/15/2003	13:26	10/17/2003	09:10
205063-3	WE-10S	Water	10/15/2003	14:16	10/17/2003	09:10
205063-4	WE-7R	Water	10/15/2003	09:42	10/17/2003	09:10
205063-5	WE-7S	Water	10/15/2003	10:35	10/17/2003	09:10
205063-6	FB101503	Water	10/15/2003	08:00	10/17/2003	09:10

Job Number: 205063

LABORATORY TEST RESULTS

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO | PROJECT: A03-A033 NY0A8575.2 | ATTN: Amy Haag

Customer Sample ID: GEI-10G
Date Sampled.....: 10/15/2003
Time Sampled.....: 12:22
Sample Matrix.....: Water

Laboratory Sample ID: 205063-1
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1615	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	1	ug/L	24149		10/23/03 1514	nnp
	Arsenic, Diss.	ND	U		17.0	200	1	ug/L	24149		10/23/03 1514	nnp
	Barium, Diss.	590			4.2	25.0	1	ug/L	24149		10/23/03 1514	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	1	ug/L	24149		10/23/03 1514	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	1	ug/L	24149		10/23/03 1514	nnp
	Lead, Diss.	ND	U		17.5	50.0	1	ug/L	24149		10/23/03 1514	nnp
	Manganese, Diss.	141			13.5	75.0	1	ug/L	24149		10/23/03 1514	nnp
	Nickel, Diss.	37.8	B		8.5	50.0	1	ug/L	24149		10/23/03 1514	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	1	ug/L	24149		10/23/03 1514	nnp
	Zinc, Diss.	ND	U		50.0	250	1	ug/L	24149		10/23/03 1514	nnp

* In Description = Dry Wgt.

973/1028

LABORATORY TEST RESULTS

Job Number: 205063

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: WE-10R
Date Sampled.....: 10/15/2003
Time Sampled.....: 13:26
Sample Matrix.....: Water

Laboratory Sample ID: 205063-2
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1619	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	1	ug/L	24149		10/23/03 1533	nnp
	Arsenic, Diss.	120	B		17.0	200	1	ug/L	24149		10/23/03 1533	nnp
	Barium, Diss.	111			4.2	25.0	1	ug/L	24149		10/23/03 1533	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	1	ug/L	24149		10/23/03 1533	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	1	ug/L	24149		10/23/03 1533	nnp
	Lead, Diss.	ND	U		17.5	50.0	1	ug/L	24149		10/23/03 1533	nnp
	Manganese, Diss.	2820			13.5	75.0	1	ug/L	24149		10/23/03 1533	nnp
	Nickel, Diss.	ND	U		8.5	50.0	1	ug/L	24149		10/23/03 1533	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	1	ug/L	24149		10/23/03 1533	nnp
	Zinc, Diss.	ND	U		50.0	250	1	ug/L	24149		10/23/03 1533	nnp

* In Description = Dry Wgt.

974/1028

Job Number: 205063

LABORATORY TEST RESULTS

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: WE-10S
Date Sampled.....: 10/15/2003
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 205063-3
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1620	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	1	ug/L	24149		10/23/03 1539	nnp
	Arsenic, Diss.	ND	U		17.0	200	1	ug/L	24149		10/23/03 1539	nnp
	Barium, Diss.	487			4.2	25.0	1	ug/L	24149		10/23/03 1539	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	1	ug/L	24149		10/23/03 1539	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	1	ug/L	24149		10/23/03 1539	nnp
	Lead, Diss.	ND	U		17.5	50.0	1	ug/L	24149		10/23/03 1539	nnp
	Manganese, Diss.	1810			13.5	75.0	1	ug/L	24149		10/23/03 1539	nnp
	Nickel, Diss.	ND	U		8.5	50.0	1	ug/L	24149		10/23/03 1539	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	1	ug/L	24149		10/23/03 1539	nnp
	Zinc, Diss.	ND	U		50.0	250	1	ug/L	24149		10/23/03 1539	nnp

* In Description = Dry Wgt.

975/1028

LABORATORY TEST RESULTS

Job Number: 205063

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO | PROJECT: A03-A033 NYOA8575.2 | ATTN: Amy Haag

Customer Sample ID: WE-7R
Date Sampled.....: 10/15/2003
Time Sampled.....: 09:42
Sample Matrix.....: Water

Laboratory Sample ID: 205063-4
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1621	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	1	ug/L	24149		10/23/03 1545	nnp
	Arsenic, Diss.	ND	U		17.0	200	1	ug/L	24149		10/23/03 1545	nnp
	Barium, Diss.	70.4			4.2	25.0	1	ug/L	24149		10/23/03 1545	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	1	ug/L	24149		10/23/03 1545	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	1	ug/L	24149		10/23/03 1545	nnp
	Lead, Diss.	ND	U		17.5	50.0	1	ug/L	24149		10/23/03 1545	nnp
	Manganese, Diss.	2950			13.5	75.0	1	ug/L	24149		10/23/03 1545	nnp
	Nickel, Diss.	5820			8.5	50.0	1	ug/L	24149		10/23/03 1545	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	1	ug/L	24149		10/23/03 1545	nnp
	Zinc, Diss.	ND	U		50.0	250	1	ug/L	24149		10/23/03 1545	nnp

* In Description = Dry Wgt.

976/1028

Job Number: 205063

LABORATORY TEST RESULTS

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: WE-7S
Date Sampled.....: 10/15/2003
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 205063-5
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1622	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	1	ug/L	24149		10/23/03 1552	nnp
	Arsenic, Diss.	ND	U		17.0	200	1	ug/L	24149		10/23/03 1552	nnp
	Barium, Diss.	424			4.2	25.0	1	ug/L	24149		10/23/03 1552	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	1	ug/L	24149		10/23/03 1552	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	1	ug/L	24149		10/23/03 1552	nnp
	Lead, Diss.	ND	U		17.5	50.0	1	ug/L	24149		10/23/03 1552	nnp
	Manganese, Diss.	1870			13.5	75.0	1	ug/L	24149		10/23/03 1552	nnp
	Nickel, Diss.	18.4	B		8.5	50.0	1	ug/L	24149		10/23/03 1552	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	1	ug/L	24149		10/23/03 1552	nnp
	Zinc, Diss.	ND	U		50.0	250	1	ug/L	24149		10/23/03 1552	nnp

* In Description = Dry Wgt.

97/1028

LABORATORY TEST RESULTS

Job Number: 205063

Date: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: FB101503
Date Sampled.....: 10/15/2003
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205063-6
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1622	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		4.5	20.0	1	ug/L	24149		10/23/03 1558	nnp
	Arsenic, Diss.	ND	U		3.4	40.0	1	ug/L	24149		10/23/03 1558	nnp
	Barium, Diss.	2.3	B		0.85	5.0	1	ug/L	24149		10/23/03 1558	nnp
	Beryllium, Diss.	ND	U		0.63	5.0	1	ug/L	24149		10/23/03 1558	nnp
	Cadmium, Diss.	ND	U		0.93	10.0	1	ug/L	24149		10/23/03 1558	nnp
	Lead, Diss.	ND	U		3.5	10.0	1	ug/L	24149		10/23/03 1558	nnp
	Manganese, Diss.	ND	U		2.7	15.0	1	ug/L	24149		10/23/03 1558	nnp
	Nickel, Diss.	ND	U		1.7	10.0	1	ug/L	24149		10/23/03 1558	nnp
	Vanadium, Diss.	ND	U		0.99	6.0	1	ug/L	24149		10/23/03 1558	nnp
	Zinc, Diss.	ND	U		10.0	50.0	1	ug/L	24149		10/23/03 1558	nnp

* In Description = Dry Wgt.

978/1028

Job Number: 205063

LABORATORY TEST RESULTS

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: GEI-10G
Date Sampled.....: 10/15/2003
Time Sampled.....: 12:22
Sample Matrix.....: Water

Laboratory Sample ID: 205063-1
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	1.5	B		1.0	10.0	1.0	ug/L	23974		10/22/03 1523	dtn

* In Description = Dry Wgt.

979/1028

LABORATORY TEST RESULTS

Job Number: 205063

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: WE-10R
Date Sampled.....: 10/15/2003
Time Sampled.....: 13:26
Sample Matrix.....: Water

Laboratory Sample ID: 205063-2
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	23974		10/22/03 1524	dtn

07000600

980/1028

* In Description = Dry Wgt.

Job Number: 205063

LABORATORY TEST RESULTS

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: WE-10S
Date Sampled.....: 10/15/2003
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 205063-3
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	23974		10/22/03 1525	dtn

* In Description = Dry Wgt.

0000011

981/1028

LABORATORY TEST RESULTS

Job Number: 205063

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: WE-7R
Date Sampled.....: 10/15/2003
Time Sampled.....: 09:42
Sample Matrix.....: Water

Laboratory Sample ID: 205063-4
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	23974		10/22/03 1526	dtn

0000012

982/1028

* In Description = Dry Wgt.

Job Number: 205063

LABORATORY TEST RESULTS

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: WE-7S
Date Sampled.....: 10/15/2003
Time Sampled.....: 10:35
Sample Matrix.....: Water

Laboratory Sample ID: 205063-5
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	23974		10/22/03 1527	dtn

* In Description = Dry Wgt.

983/1028

LABORATORY TEST RESULTS

Job Number: 205063

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-A033 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: FB101503
Date Sampled.....: 10/15/2003
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205063-6
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	23974		10/22/03 1528	dtn

C0000014

9841028

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 205063

Date: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NY0A8575.2 ATTN: Amy Haag

Lab ID: 205063-1 Client ID: GEI-10G

Date Recvd: 10/17/2003 Sample Date: 10/15/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1331	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1523	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1615	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1514	

Lab ID: 205063-2 Client ID: WE-10R

Date Recvd: 10/17/2003 Sample Date: 10/15/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1343	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1524	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1619	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1533	

Lab ID: 205063-3 Client ID: WE-10S

Date Recvd: 10/17/2003 Sample Date: 10/15/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1355	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1525	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1620	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1539	

Lab ID: 205063-4 Client ID: WE-7R

Date Recvd: 10/17/2003 Sample Date: 10/15/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1408	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1526	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1621	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1545	

Lab ID: 205063-5 Client ID: WE-7S

Date Recvd: 10/17/2003 Sample Date: 10/15/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1420	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1527	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1622	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1552	

Lab ID: 205063-6 Client ID: FB101503

Date Recvd: 10/17/2003 Sample Date: 10/15/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1432	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1528	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1622	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1558	

QUALITY CONTROL RESULTS

Job Number.: 205063

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NYOA8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M031LCS002	23919 -002		10/23/2003	1508

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP2
Batch.....: 24149

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony	ug/L	1003.74		1000.00		100	%	85-115	
Arsenic	ug/L	998.88		1000.00		100	%	85-115	
Barium	ug/L	301.72		300.00		101	%	85-115	
Beryllium	ug/L	102.05		100.00		102	%	85-115	
Cadmium	ug/L	300.54		300.00		100	%	85-115	
Lead	ug/L	971.69		1000.00		97	%	85-115	
Manganese	ug/L	198.49		200.00		99	%	85-115	
Nickel	ug/L	299.30		300.00		100	%	85-115	
Vanadium	ug/L	292.90		300.00		98	%	85-115	
Zinc	ug/L	296.94		300.00		99	%	85-115	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205063

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NYDA8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		23919 -001		10/23/2003	1502

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP2
Batch.....: 24149

Analyst...: nnp

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony	ug/L	-5.2	B							
Arsenic	ug/L	3.4	U							
Barium	ug/L	1.0	B							
Beryllium	ug/L	0.6	U							
Cadmium	ug/L	0.9	U							
Lead	ug/L	3.5	U							
Manganese	ug/L	2.7	U							
Nickel	ug/L	1.7	U							
Vanadium	ug/L	1.0	U							
Zinc	ug/L	10.0	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205063 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NYOA8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		205062-3		10/23/2003	1438

Test Method.....: 200.7 Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24149

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	22.50	U			22.50	U	4.4953		22.5000	
Arsenic, Diss.	ug/L	17.00	U			17.00	U	3.7474		17.0000	
Barium, Diss.	ug/L	95.03				97.54		2.6		20.0	
Beryllium, Diss.	ug/L	3.15	U			3.15	U	0.0228		3.1500	
Cadmium, Diss.	ug/L	4.65	U			4.65	U	0.4955		4.6500	
Lead, Diss.	ug/L	17.50	U			17.50	U	0.2884		17.5000	
Manganese, Diss.	ug/L	1076.65				1100.94		2.2		20.0	
Nickel, Diss.	ug/L	28.45	B			28.18	B	0.2707		8.5000	
Vanadium, Diss.	ug/L	4.95	U			4.95	U	0.7096		4.9500	
Zinc, Diss.	ug/L	50.00	U			50.00	U	1.2748		50.0000	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205063

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NYOA8575.2 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03EWRK023	205062-3		10/23/2003	1444

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP2
Batch.....: 24149

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	496.74		500.00	22.50	U	99		75-125	
Arsenic, Diss.	ug/L	206.39		200.00	17.00	U	103		75-125	
Barium, Diss.	ug/L	9788.35		10000.00	97.54		97		75-125	
Beryllium, Diss.	ug/L	257.41		250.00	3.15	U	103		75-125	
Cadmium, Diss.	ug/L	250.29		250.00	4.65	U	100		75-125	
Lead, Diss.	ug/L	97.49		100.00	17.50	U	97		75-125	
Manganese, Diss.	ug/L	3569.18		2500.00	1100.94		99		75-125	
Nickel, Diss.	ug/L	2503.47		2500.00	28.18	B	99		75-125	
Vanadium, Diss.	ug/L	2491.00		2500.00	4.95	U	100		75-125	
Zinc, Diss.	ug/L	2505.42		2500.00	50.00	U	100		75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205063 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NYOA8575.2 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03EWRK023	205062-3		10/23/2003	1444

Test Method.....: 200.7 Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24149

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	496.74		500.00	22.50	U	99		75-125	
Arsenic, Diss.	ug/L	206.39		200.00	17.00	U	103		75-125	
Barium, Diss.	ug/L	9788.35		10000.00	97.54		97		75-125	
Beryllium, Diss.	ug/L	257.41		250.00	3.15	U	103		75-125	
Cadmium, Diss.	ug/L	250.29		250.00	4.65	U	100		75-125	
Lead, Diss.	ug/L	97.49		100.00	17.50	U	97		75-125	
Manganese, Diss.	ug/L	3569.18		2500.00	1100.94		99		75-125	
Nickel, Diss.	ug/L	2503.47		2500.00	28.18	B	99		75-125	
Vanadium, Diss.	ug/L	2491.00		2500.00	4.95	U	100		75-125	
Zinc, Diss.	ug/L	2505.42		2500.00	50.00	U	100		75-125	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205063 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NY0A8575.2 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M03EWRK023	205062-3		10/23/2003	1450

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICAP2
Batch.....: 24149
Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	497.97		500.00	22.50	U	100		75	
Arsenic, Diss.	ug/L	198.86	B	200.00	17.00	U	99		75	
Barium, Diss.	ug/L	9753.11		10000.00	97.54		97		75	
Beryllium, Diss.	ug/L	255.94		250.00	3.15	U	102		75	
Cadmium, Diss.	ug/L	249.52		250.00	4.65	U	100		75	
Lead, Diss.	ug/L	103.11		100.00	17.50	U	103		75	
Manganese, Diss.	ug/L	3512.14		2500.00	1100.94		96		75	
Nickel, Diss.	ug/L	2493.56		2500.00	28.18	B	99		75	
Vanadium, Diss.	ug/L	2479.44		2500.00	4.95	U	99		75	
Zinc, Diss.	ug/L	2486.46		2500.00	50.00	U	99		75	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205063 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NY0A8575.2 ATTN: Amy Haag

Test Method.....: 245.1 Batch.....: 24118 Analyst...: nnp
Method Description.: Mercury (CVAA) Equipment Code...: MERC1 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	24046 -001		ug/L	0.2	U									10/24/2003	1542
LCS	24046 -002	M03HSTK001	ug/L	1550.04			1480.00			105		%	80-120	10/24/2003	1542
MD	205026-1		ug/L	0.18	U			0.18	U	0.0019			0.1800	10/24/2003	1546
MS	205026-1	M02KWRK027	ug/L	1.37			2.00	0.18	U	68	N		75-125	10/24/2003	1547
MB	24046 -001		ug/L	0.2	U									10/24/2003	1607
LCS	24046 -002	M03HSTK001	ug/L	1527.25			1480.00			103		%	80-120	10/24/2003	1608
MD	205062-3		ug/L	0.18	U			0.18	U	0.0124			0.1800	10/24/2003	1612
MS	205062-3	M02KWRK027	ug/L	1.89			2.00	0.18	U	95			75-125	10/24/2003	1613
MSD	205062-3	M02KWRK027	ug/L	1.88			2.00	0.18	U	94			75-125	10/24/2003	1631

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205063 Report Date.: 10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-A033 NY0A8575.2 ATTN: Amy Haag

Test Method.....: 335.4 Batch.....: 23974 Analyst...: dtn
Method Description.: Cyanide, Total Equipment Code....: LACHET 3 Test Code.: CN
Parameter.....: Cyanide, Total

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
LCS	23970 -004	W03BLCS004	ug/Kg	127506.00000			82800.00000			154		%	21.6-178.	10/22/2003	1502
MB	23970 -005		ug/L	5.3	B									10/22/2003	1503
MS	205062-3	W03JWRK048	ug/L	39.41			40.00	1.00	U	99			75-125	10/22/2003	1518
MSD	205062-3	W03JWRK048	ug/L	37.11		39.41	40.00	1.00	U	93			75	10/22/2003	1519
MB	23970 -005		ug/L	1.0	U									10/22/2003	1529
MD	205074-1		ug/L	14.42				12.44		1.9857			10.0000	10/22/2003	1530
MS	205074-1	W03JWRK048	ug/L	54.58			40.00	12.44		105			75-125	10/22/2003	1533
MB	23970 -007		ug/Kg	54.0000	U									10/22/2003	1534
MD	205069-2		ug/Kg	58.71064	U			58.71064	U	0.0000			500.0000	10/22/2003	1537
MS	205069-2	W03JWRK048	ug/Kg	1869.90924			2217.00000	59.87167	U	84			75-125	10/22/2003	1538
MB	23970 -007		ug/Kg	-77.3532	B									10/22/2003	1542
MD	205066-6		ug/Kg	62.64501	U			62.64501	U	2.0594			500.0000	10/22/2003	1546

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

0000022 MSH 10/23/03

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the reporting limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the reporting limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

^	MB,EB, MLE: Batch QC is greater than reporting limit.
*	LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A	Concentration exceeds the instrument calibration range or below the reporting limit.
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

CONFIDENTIAL

Date: 10/16/2003
Time: 17:18:41

STL Buffalo
Internal Chain of Custody

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 035

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-10G01	A3A03301	GW	D METALS	1-8ozP	10/15/2003 12:22
			T CN	1-8ozP	10/15/2003 12:22
WE-10R02	A3A03302	GW	D METALS	1-8ozP	10/15/2003 13:26
			T CN	1-8ozP	10/15/2003 13:26
WE-10S03	A3A03303	GW	D METALS	1-8ozP	10/15/2003 14:16
			T CN	1-8ozP	10/15/2003 14:16
WE-7R 04	A3A03304	GW	D METALS	1-8ozP	10/15/2003 09:42
			T CN	1-8ozP	10/15/2003 09:42
WE-7S 05	A3A03305	GW	D METALS	1-8ozP	10/15/2003 10:35
			T CN	1-8ozP	10/15/2003 10:35
FB101503 06	A3A03306	WATER	D METALS	1-8ozP	10/15/2003 08:00
			T CN	1-8ozP	10/15/2003 08:00

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1)	10/16/2003	1830	(3)	/ /20	
(2)	/ /20		(4) Y. Blackburn STL	10/17/2003	9:10am

PASSED RAD SCREEN
2.0C

205063 10/29/2003
SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

997/1028

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 205063 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 10/17/2003
Project Number.: 20000661 Project Description.: WMI Project Manager.....: mds
Customer.....: SEVERN TRENT LABORATORIES-BUFFALO Contact.: Michelle Buchwald

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	2.0C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?	Y	FE 6132 3567 1267
Sample Custodian Signature/Date	Y	10/17/03

STL - Connecticut
Internal Chain-of-Custody

205063 10/29/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Trip Blank: —

QC: — Air: —

FB: 06

Soil: — Water: 01-06

Date Received: 10/17/03

Sample #s: 01-06

Locations: 8SC

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1/6	CC	Dm	10/21	1100	CN	Dm	CC	10/21	1500
1-6	CC	[illegible]	10/22	1[illegible]	MTL	[illegible]	CC	[illegible]	1[illegible]
01-06	CC	EPM	10/23	1850	metals	EPM	CC	10/23	2200

STL Form# SMF00507.CT

000028

999/1028

2-10123

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 205063 **Sample Numbers:** 1-6

(WATER) SOIL - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of the preparation:

Sample Prep:

[signature]	10/23/03	ICP
[signature] Chemist	10/23/03 Date(s)	Mercury

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis:

[signature]	10/27/03	ICP
[signature] Chemist	10/27/03 Date(s)	Mercury

I have reviewed and authorized the release of the job:

Complete: [signature] Supervisor — 10/28/03 Date

QAF02600.CT

Severn Trent Laboratories, Inc.
STL Connecticut • 128 Long Hill Cross Road, Shelton, CT 06484
Tel 203 929 8140 Fax 203 929 8142 • www.stlinc.com
A part of Severn Trent plc

STL/CT PRESERVATIVE RECORD

205063 10/29/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
205063-01	HNO3	<2	NA	NA	NA	CC	10/17/03
02		<2					
03		<2					
04		<2					
05		<2					
06	HNO3	<2					
01	NAOH	>12					
02		>12					
03		>12					
04		>12					
05		>12					
06	NAOH	>12	NA	NA	NA	CC	10/17/03

STL Form# SMF00203.CT

0000030

1001/1028

ANALYTICAL REPORT

JOB NUMBER: 205062

Prepared For:

SEVERN TRENT LABORATORIES-BUFFALO
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Project: A03-9998 NY0A8575.2

Attention: Amy Haag

Date: 10/28/2003

Signature

10/29/03
Date

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (24) Pages

SEVERN TRENT STL

STL Report : 205062
STL-BUFFALO

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered.

Analyte	Method	Reference
Cyanide, Total	335.4	1

References:

1. Methods of Chemical Analysis of Water and Wastes, EPA 600, 1983.

Metals – ICAP metals were determined by ICP using a TJA61E Trace ICAP according to the USEPA 200.7 SOW. Mercury was determined using a Perkin Elmer mercury analyzer following USEPA method 245.1.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION
Date: 10/28/2003

Job Number.: 205062
Customer...: SEVERN TRENT LABORATORIES-BUFFALO
Attn.....: Amy Haag

Project Number.....: 20000661
Customer Project ID....: A03-9998 NY0A8575.2
Project Description....: WMI

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205062-1	GEI-6G	Water	10/14/2003	09:28	10/17/2003	09:10
205062-2	GEI-6S	Water	10/14/2003	14:21	10/17/2003	09:10
205062-3	WE-5R	Water	10/14/2003	11:54	10/17/2003	09:10
205062-4	FB101403	Water	10/14/2003	07:45	10/17/2003	09:10

1005/1028

LABORATORY TEST RESULTS

Job Number: 205062

Date: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9998 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: GEI-6G
Date Sampled.....: 10/14/2003
Time Sampled.....: 09:28
Sample Matrix.....: Water

Laboratory Sample ID: 205062-1
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1610	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	1	ug/L	24149		10/23/03 1420	nnp
	Arsenic, Diss.	ND	U		17.0	200	1	ug/L	24149		10/23/03 1420	nnp
	Barium, Diss.	186			4.2	25.0	1	ug/L	24149		10/23/03 1420	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	1	ug/L	24149		10/23/03 1420	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	1	ug/L	24149		10/23/03 1420	nnp
	Lead, Diss.	ND	U		17.5	50.0	1	ug/L	24149		10/23/03 1420	nnp
	Manganese, Diss.	95.5			13.5	75.0	1	ug/L	24149		10/23/03 1420	nnp
	Nickel, Diss.	138			8.5	50.0	1	ug/L	24149		10/23/03 1420	nnp
	Vanadium, Diss.	13.5	B		5.0	30.0	1	ug/L	24149		10/23/03 1420	nnp
	Zinc, Diss.	ND	U		50.0	250	1	ug/L	24149		10/23/03 1420	nnp

* In Description = Dry Wgt.

1006/1028

LABORATORY TEST RESULTS

Job Number: 205062

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9998 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: GEI-6S
Date Sampled.....: 10/14/2003
Time Sampled.....: 14:21
Sample Matrix.....: Water

Laboratory Sample ID: 205062-2
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1610	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	1	ug/L	24149		10/23/03 1426	nnp
	Arsenic, Diss.	18.8	B		17.0	200	1	ug/L	24149		10/23/03 1426	nnp
	Barium, Diss.	499			4.2	25.0	1	ug/L	24149		10/23/03 1426	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	1	ug/L	24149		10/23/03 1426	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	1	ug/L	24149		10/23/03 1426	nnp
	Lead, Diss.	ND	U		17.5	50.0	1	ug/L	24149		10/23/03 1426	nnp
	Manganese, Diss.	331			13.5	75.0	1	ug/L	24149		10/23/03 1426	nnp
	Nickel, Diss.	47.2	B		8.5	50.0	1	ug/L	24149		10/23/03 1426	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	1	ug/L	24149		10/23/03 1426	nnp
	Zinc, Diss.	ND	U		50.0	250	1	ug/L	24149		10/23/03 1426	nnp

* In Description = Dry Wgt.

1007/1028

LABORATORY TEST RESULTS

Job Number: 205062

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9998 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: WE-5R
Date Sampled.....: 10/14/2003
Time Sampled.....: 11:54
Sample Matrix.....: Water

Laboratory Sample ID: 205062-3
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1611	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		22.5	100	1	ug/L	24149		10/23/03 1432	nnp
	Arsenic, Diss.	ND	U		17.0	200	1	ug/L	24149		10/23/03 1432	nnp
	Barium, Diss.	97.5			4.2	25.0	1	ug/L	24149		10/23/03 1432	nnp
	Beryllium, Diss.	ND	U		3.2	25.0	1	ug/L	24149		10/23/03 1432	nnp
	Cadmium, Diss.	ND	U		4.6	50.0	1	ug/L	24149		10/23/03 1432	nnp
	Lead, Diss.	ND	U		17.5	50.0	1	ug/L	24149		10/23/03 1432	nnp
	Manganese, Diss.	1100			13.5	75.0	1	ug/L	24149		10/23/03 1432	nnp
	Nickel, Diss.	28.2	B		8.5	50.0	1	ug/L	24149		10/23/03 1432	nnp
	Vanadium, Diss.	ND	U		5.0	30.0	1	ug/L	24149		10/23/03 1432	nnp
	Zinc, Diss.	ND	U		50.0	250	1	ug/L	24149		10/23/03 1432	nnp

* In Description = Dry Wgt.

1008/1028

LABORATORY TEST RESULTS

Job Number: 205062

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9998 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: FB101403
Date Sampled.....: 10/14/2003
Time Sampled.....: 07:45
Sample Matrix.....: Water

Laboratory Sample ID: 205062-4
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1615	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony, Diss.	ND	U		4.5	20.0	1	ug/L	24149		10/23/03 1456	nnp
	Arsenic, Diss.	ND	U		3.4	40.0	1	ug/L	24149		10/23/03 1456	nnp
	Barium, Diss.	1.5	B		0.85	5.0	1	ug/L	24149		10/23/03 1456	nnp
	Beryllium, Diss.	ND	U		0.63	5.0	1	ug/L	24149		10/23/03 1456	nnp
	Cadmium, Diss.	ND	U		0.93	10.0	1	ug/L	24149		10/23/03 1456	nnp
	Lead, Diss.	ND	U		3.5	10.0	1	ug/L	24149		10/23/03 1456	nnp
	Manganese, Diss.	ND	U		2.7	15.0	1	ug/L	24149		10/23/03 1456	nnp
	Nickel, Diss.	ND	U		1.7	10.0	1	ug/L	24149		10/23/03 1456	nnp
	Vanadium, Diss.	ND	U		0.99	6.0	1	ug/L	24149		10/23/03 1456	nnp
	Zinc, Diss.	ND	U		10.0	50.0	1	ug/L	24149		10/23/03 1456	nnp

* In Description = Dry Wgt.

1009/1028

Job Number: 205062

LABORATORY TEST RESULTS

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9998 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: GEI-6G
Date Sampled.....: 10/14/2003
Time Sampled.....: 09:28
Sample Matrix.....: Water

Laboratory Sample ID: 205062-1
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total Cyanide, Total	1.4	B		1.0	10.0	1.0	ug/L	23974		10/22/03 1516	dtn

* In Description = Dry Wgt.

1010/1028

LABORATORY TEST RESULTS

Job Number: 205062

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9998 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: GEI-6S
Date Sampled.....: 10/14/2003
Time Sampled.....: 14:21
Sample Matrix.....: Water

Laboratory Sample ID: 205062-2
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	23974		10/22/03 1516	dtn

8000009

* In Description = Dry Wgt.

1011/1028

Job Number: 205062

LABORATORY TEST RESULTS

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9998 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: WE-5R
Date Sampled.....: 10/14/2003
Time Sampled.....: 11:54
Sample Matrix.....: Water

Laboratory Sample ID: 205062-3
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	23974		10/22/03 1517	dtn

* In Description = Dry Wgt.

1012/1028

LABORATORY TEST RESULTS

Job Number: 205062

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9998 NYOAB575.2

ATTN: Amy Haag

Customer Sample ID: FB101403
Date Sampled.....: 10/14/2003
Time Sampled.....: 07:45
Sample Matrix.....: Water

Laboratory Sample ID: 205062-4
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total Cyanide, Total	3.6	B		1.0	10.0	1.0	ug/L	23974		10/22/03 1522	dtn

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 205062

Date: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9998 NY0A8575.2 ATTN: Amy Haag

Lab ID: 205062-1 Client ID: GEI-6G

Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1242	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1516	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1610	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1420	

Lab ID: 205062-2 Client ID: GEI-6S

Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1254	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1516	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1610	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1426	

Lab ID: 205062-3 Client ID: WE-5R

Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1306	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1517	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1611	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1432	

Lab ID: 205062-4 Client ID: FB101403

Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1318	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1522	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1615	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24149	23919	10/23/2003	1456	

QUALITY CONTROL RESULTS

Job Number.: 205062 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9998 NYOA8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M03ILCS002	23919 -002		10/23/2003	1508

Test Method.....: 200.7 Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24149

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony	ug/L	1003.74		1000.00		100	%	85-115	
Arsenic	ug/L	998.88		1000.00		100	%	85-115	
Barium	ug/L	301.72		300.00		101	%	85-115	
Beryllium	ug/L	102.05		100.00		102	%	85-115	
Cadmium	ug/L	300.54		300.00		100	%	85-115	
Lead	ug/L	971.69		1000.00		97	%	85-115	
Manganese	ug/L	198.49		200.00		99	%	85-115	
Nickel	ug/L	299.30		300.00		100	%	85-115	
Vanadium	ug/L	292.90		300.00		98	%	85-115	
Zinc	ug/L	296.94		300.00		99	%	85-115	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205062

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9998 NYOA8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		23919 -001		10/23/2003	1502

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP2
Batch.....: 24149

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony	ug/L	-5.2	B						
Arsenic	ug/L	3.4	U						
Barium	ug/L	1.0	B						
Beryllium	ug/L	0.6	U						
Cadmium	ug/L	0.9	U						
Lead	ug/L	3.5	U						
Manganese	ug/L	2.7	U						
Nickel	ug/L	1.7	U						
Vanadium	ug/L	1.0	U						
Zinc	ug/L	10.0	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205062 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9998 NY0A8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		205062-3		10/23/2003	1438

Test Method.....: 200.7 Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24149

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	22.50	U			22.50	U	4.4953		22.5000	
Arsenic, Diss.	ug/L	17.00	U			17.00	U	3.7474		17.0000	
Barium, Diss.	ug/L	95.03				97.54		2.6		20.0	
Beryllium, Diss.	ug/L	3.15	U			3.15	U	0.0228		3.1500	
Cadmium, Diss.	ug/L	4.65	U			4.65	U	0.4955		4.6500	
Lead, Diss.	ug/L	17.50	U			17.50	U	0.2884		17.5000	
Manganese, Diss.	ug/L	1076.65				1100.94		2.2		20.0	
Nickel, Diss.	ug/L	28.45	B			28.18	B	0.2707		8.5000	
Vanadium, Diss.	ug/L	4.95	U			4.95	U	0.7096		4.9500	
Zinc, Diss.	ug/L	50.00	U			50.00	U	1.2748		50.0000	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205062

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9998 NYOA8575.2 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03EWRK023	205062-3		10/23/2003	1444

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP2
Batch.....: 24149

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	496.74		500.00	22.50	U	99		75-125	
Arsenic, Diss.	ug/L	206.39		200.00	17.00	U	103		75-125	
Barium, Diss.	ug/L	9788.35		10000.00	97.54		97		75-125	
Beryllium, Diss.	ug/L	257.41		250.00	3.15	U	103		75-125	
Cadmium, Diss.	ug/L	250.29		250.00	4.65	U	100		75-125	
Lead, Diss.	ug/L	97.49		100.00	17.50	U	97		75-125	
Manganese, Diss.	ug/L	3569.18		2500.00	1100.94		99		75-125	
Nickel, Diss.	ug/L	2503.47		2500.00	28.18	B	99		75-125	
Vanadium, Diss.	ug/L	2491.00		2500.00	4.95	U	100		75-125	
Zinc, Diss.	ug/L	2505.42		2500.00	50.00	U	100		75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205062 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9998 NYOA8575.2 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M03EWRK023	205062-3		10/23/2003	1450

Test Method.....: 200.7 Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24149

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	497.97		500.00	22.50	U 100		75	
Arsenic, Diss.	ug/L	198.86	B	200.00	17.00	U 99		75	
Barium, Diss.	ug/L	9753.11		10000.00	97.54	97		75	
Beryllium, Diss.	ug/L	255.94		250.00	3.15	U 102		75	
Cadmium, Diss.	ug/L	249.52		250.00	4.65	U 100		75	
Lead, Diss.	ug/L	103.11		100.00	17.50	U 103		75	
Manganese, Diss.	ug/L	3512.14		2500.00	1100.94	96		75	
Nickel, Diss.	ug/L	2493.56		2500.00	28.18	B 99		75	
Vanadium, Diss.	ug/L	2479.44		2500.00	4.95	U 99		75	
Zinc, Diss.	ug/L	2486.46		2500.00	50.00	U 99		75	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205062 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9998 NYOA8575.2 ATTN: Amy Haag

Test Method.....: 245.1 Batch.....: 24118 Analyst...: nnp
Method Description.: Mercury (CVAA) Equipment Code....: MERC1 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	24046 -001		ug/L	0.2	U									10/24/2003	1542
LCS	24046 -002	M03HSTK001	ug/L	1550.04			1480.00			105		%	80-120	10/24/2003	1542
MD	205026-1		ug/L	0.18	U			0.18	U	0.0019			0.1800	10/24/2003	1546
MS	205026-1	M02KWRK027	ug/L	1.37			2.00	0.18	U	68	N		75-125	10/24/2003	1547
MB	24046 -001		ug/L	0.2	U									10/24/2003	1607
LCS	24046 -002	M03HSTK001	ug/L	1527.25			1480.00			103		%	80-120	10/24/2003	1608
MD	205062-3		ug/L	0.18	U			0.18	U	0.0124			0.1800	10/24/2003	1612
MS	205062-3	M02KWRK027	ug/L	1.89			2.00	0.18	U	95			75-125	10/24/2003	1613
MSD	205062-3	M02KWRK027	ug/L	1.88			2.00	0.18	U	94			75-125	10/24/2003	1631

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205062 Report Date.: 10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9998 NYOA8575.2 ATTN: Amy Haag

Test Method.....: 335.4 Batch.....: 23974 Analyst...: dtn
Method Description.: Cyanide, Total Equipment Code....: LACHET 3 Test Code.: CN
Parameter.....: Cyanide, Total

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
LCS	23970 -004	W03BLCS004	ug/Kg	127506.00000			82800.00000			154		%	21.6-178.	10/22/2003	1502
MB	23970 -005		ug/L	5.3	B									10/22/2003	1503
MS	205062-3	W03JWRK048	ug/L	39.41			40.00	1.00	U	99			75-125	10/22/2003	1518
MSD	205062-3	W03JWRK048	ug/L	37.11		39.41	40.00	1.00	U	93			75	10/22/2003	1519
MB	23970 -005		ug/L	1.0	U									10/22/2003	1529
MD	205074-1		ug/L	14.42				12.44		1.9857			10.0000	10/22/2003	1530
MS	205074-1	W03JWRK048	ug/L	54.58			40.00	12.44		105			75-125	10/22/2003	1533
MB	23970 -007		ug/Kg	54.0000	U									10/22/2003	1534
MD	205069-2		ug/Kg	58.71064	U			58.71064	U	0.0000			500.0000	10/22/2003	1537
MS	205069-2	W03JWRK048	ug/Kg	1869.90924			2217.00000	59.87167	U	84			75-125	10/22/2003	1538
MB	23970 -007		ug/Kg	-77.3532	B									10/22/2003	1542
MD	205066-6		ug/Kg	62.64501	U			62.64501	U	2.0594			500.0000	10/22/2003	1546

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

0000019 MSH 10/23/03

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the reporting limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the reporting limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

-	MB,EB, MLE: Batch QC is greater than reporting limit.
*	LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A	Concentration exceeds the instrument calibration range or below the reporting limit.
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

1023/1028

Date: 10/16/2003
Time: 18:14:12

STL Buffalo
Internal Chain of Custody

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 028

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-6G (01)	A3999801	GW	D METALS	1-8ozP	10/14/2003 09:28
			T CN	1-8ozP	10/14/2003 09:28
GEI-6S (02)	A3999802	GW	D METALS	1-8ozP	10/14/2003 14:21
			T CN	1-8ozP	10/14/2003 14:21
WE-5R (03)	A3999803	GW	D METALS	1-8ozP	10/14/2003 11:54
			T CN	1-8ozP	10/14/2003 11:54
WE-5R MS (03)	A3999803MS	GW	D METALS	1-8ozP	10/14/2003 11:54
			T CN	1-8ozP	10/14/2003 11:54
WE-5R SD (03)	A3999803SD	GW	D METALS	1-8ozP	10/14/2003 11:54
			T CN	1-8ozP	10/14/2003 11:54
FB101403 (04)	A3999804	WATER	D METALS	1-8ozP	10/14/2003 07:45
			T CN	1-8ozP	10/14/2003 07:45

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1)	10/16/2003	1830	(3)	/ /20	
(2)	/ /20		(4)	10/17/2003	9:10am

PASSED RAD SCREEN
2. cc

205062 10/29/2003
SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

1024/1028

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 205062 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.:
Project Number.: 20000661 Project Description.: WMI
Customer.....: SEVERN TRENT LABORATORIES-BUFFALO Contact.: Michelle Buchwald

Date of the Report..: 10/17/2003
Project Manager.....: mds

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2)	Y	2.0C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?	Y	FE 6132 3567 1267
Sample Custodian Signature/Date	Y	10/17/03

STL - Connecticut
Internal Chain-of-Custody

205062 10/29/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Trip Blank: ___

QC: 03 Air: ___

FB: 04

Soil: ___ Water: 01-04

Date Received: 10/17/03

Sample #s: 01-04

Locations: 89C

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1/4	CC	DM	10/21	1100	CN	DM	CC	10/21	1500
1/4	CC	"	10/22	900	MTL	"	CC	10/22	1700
01-04	CC	EPM	10/23	1830	metals	EPM	CC	10/23	2200

4200000

STL Form# SMF00507.CT

1026/1028

2- 10/23

SEVERN TRENT **STL**

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 205062 **Sample Numbers:** 1-4

(WATER) - SOIL - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of the preparation:

Sample Prep:

[signature]	10/23/03	ICP
[signature]	10/23/03	Mercury
Chemist	Date(s)	

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis:

[signature]	10/27/03	ICP
[signature]	10/27/03	Mercury
Chemist	Date(s)	

I have reviewed and authorized the release of the job:

Complete: [signature] 10/27/03
Supervisor Date

QAF02600.CT

A part of Severn Trent plc

Severn Trent Laboratories, Inc.
STL Connecticut • 128 Long Hill Cross Road, Shelton, CT 06484
Tel 203 929 8140 Fax 203 929 8142 www.stlinc.com

STL/CT PRESERVATIVE RECORD

205062 10/29/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
205062-01	HNO3	<2	NA	NA	NA	CC	10/17/03
02		<2					
03		<2					
03		<2					
03		<2					
04	HNO3	<2					
01	NAOH	>12					
02		>12					
03		>12					
03		>12					
03		>12					
04	NAOH	>12	NA	NA	NA	CC	10/17/03

10/17/03

STL Form# SMF00203.CT

0000026

1028/1028

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A03-9981,A03-9999,A03-A000

STL Project#: NY0A8575.2
SDG#: 1003SW
Site Name: Kin-Buc Landfill
Task: Kin-Buc Monitoring Plan - Surface Water

Kathy Romaine
BB&L
8 South River Road
Cranbury, NJ 08512

STL Buffalo

Amy Lynn Haag
Project Manager

11/13/2003

SEVERN TRENT STL

ANALYTICAL DATA PACKAGE FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY TRENTON, NEW JERSEY 08625

DIVISION: Waste Management
CASE NAME: Kin-Buc Landfill

BUREAU: N/A
CASE #: N/A

Note: This is a two-sided form. Data Qualifiers are on the reverse side.

FIELD SAMPLE NUMBERS	LABORATORY SAMPLE NUMBERS	SAMPLE LOCATION	DATE and TIME OF COLLECTION
FBSW101403	A3998105	Kin-Buc Landfill	10/14/2003 09:00
SW-01	A3998101	Kin-Buc Landfill	10/14/2003 13:35
SW-02	A3998102	Kin-Buc Landfill	10/14/2003 13:10
SW-03	A3998103	Kin-Buc Landfill	10/14/2003 12:40
SW-04	A3998104	Kin-Buc Landfill	10/14/2003 12:00
TBSW101403	A3998106	Kin-Buc Landfill	10/14/2003

LABORATORY NAME: STL Buffalo
NJDEPE CERTIFICATION No: 73455

LOCATION: Buffalo, NY
DATE SUBMITTED: 11/13/2003

Verl D. Preston
LABORATORY QA OFFICER

LABORATORY QA OFFICER (SIGNATURE)

Christopher Spencer
LABORATORY MANAGER

LABORATORY MANAGER (SIGNATURE)

NJDEPE FORM A-1A (9/91)

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arizona	SDWA, CWA, RCRA	AZ0525
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon	NELAP,SDWA, CWA, RCRA	NY200001
Pennsylvania	NELAP, SDWA, CWA, Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	2970
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390
Wyoming UST	UST	NA

CHAIN OF CUSTODY DOCUMENTATION

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client: Waste Management, Inc.	Project Manager: Carl Januszkiewicz	Date: 10/14/03	Chain of Custody Number: 136524
Address: 383 Meadow Road	Telephone Number (Area Code)/Fax Number: 732-985-4757 / 732-985-4759	Lab Number:	Page 1 of 1
City: Edison; State: NJ; Zip Code: 08817	Site Contact: Kathy Romaine	Lab Contact: Mark Nemec	
Project Name and Location (State): Kin-Buc Landfill, Edison, NJ	Carrier/Waybill Number: 8210 1168 4121 / FedEx		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	PP VOCs	PP BNA	PP PEST/PCB	Total Metals	BOD	COD	TOC	RSK	Cl, TDS, Nitrate	TCN	TOX	T Phenols
SW-01	10/14/03	1335		X			6	4	1	8	1		X	X	X	X	X	X	X	X	X	X	X	X
SW-02	10/14/03	1310		X			6	4	1	8	1		X	X	X	X	X	X	X	X	X	X	X	X
SW-03	10/14/03	1240		X			6	4	1	8	1		X	X	X	X	X	X	X	X	X	X	X	X
SW-04	10/14/03	1200		X			6	4	1	8	1		X	X	X	X	X	X	X	X	X	X	X	X
FBSW101403	10/14/03	0900		X			6	4	1	8	1		X	X	X	X	X	X	X	X	X	X	X	X
TBSW101403	—	—		X						4			X											

Special Instructions/ Conditions of Receipt

Analysis (Attach list if more space is needed)

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other _____

QC Requirements (Specify):

1. Relinquished By: Kathleen A. Romaine	Date: 10/14/03	Time: 1600	1. Received By: Shipped via FedEx 8210 1168	Date: 4/21	Time:
2. Relinquished By:	Date:	Time:	2. Received By: STL	Date: 10-15-03	Time: 10:00
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: 4 @ 2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/439

Field Data

FIELD INFORMATION FORM

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Site #

Bottle Set:

Sample Point: | | | S | W | 0 | 1 | (Source Code)

PURGE INFO

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
N/A	N/A	N/A	N/A	N/A

PURGE & SAMPLING EQUIP

Purging Equipment . . . . .Dedicated | Y | | N | (circle one)

Sampling Equipment . . . . .Dedicated (Y) | N | (circle one)

Purging Device		A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	F	B-Peristaltic Pump C-Bladder Pump	E-Venturi Pump F-Dipper/Bottle	H-Scoop/Shovel I-Piston Pump	X- SAMPLING OTHER (SPECIFY)
Purging Material		A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	X	B-Stainless Steel	D-PVC		X- GLASS SAMPLING OTHER (SPECIFY)
Tubing-Purging		A-Teflon	D-Polypropylene	F-Silicon	X- PURGING OTHER (SPECIFY)
Tubing-Sampling		B-Tygon C-Rope X- (SPECIFY)	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
Filtering Devices 0.45 µ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	(ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	(ft)	Depth to water From land surface	(ft)
Groundwater Elevation	(ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	(ft)	Stickup	(ft)

	ph		spec cond		other parameter	value	units
1st	7.99	(STD)	1st 418.70	µm/cm at 25° C	Sample Temp. 17.8	(° C)	
2nd		(STD)	2nd	µm/cm at 25° C	TURB	2.11	NTU
3rd		(STD)	3rd	µm/cm at 25° C	D.O.	13.05	mg/L
4th		(STD)	4th	µm/cm at 25° C			

COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Colorless Turbidity: slight

Weather Conditions: Wind Speed Calm Direction _____ Precipitation Y/N Outlook _____

Specific Comments: _____

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

10/14/03 (Date) Kathleen H. Romaine (Signature) Employer: BBL

FIELD INFORMATION FORM

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Site #

Bottle Set:

Sample Point: | | SW02 (Source Code)

PURGE INFO

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
NA	NA	NA	NA	NA

PURGE & SAMPLING EQUIP

Purging Equipment . . . . .Dedicated | Y | N | (circle one) Sampling Equipment . . . . .Dedicated (Y) | N | (circle one)

Purging Device		A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	F	B-Peristaltic Pump C-Bladder Pump	E-Venturi Pump F-Dipper/Bottle	H-Scoop/Shovel I-Piston Pump	X- SAMPLING OTHER (SPECIFY)
Purging Material		A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	X	B-Stainless Steel	D-PVC		X- GLASS SAMPLING OTHER (SPECIFY)
Tubing-Purging		A-Teflon	D-Polypropylene	F-Silicon	X- PURGING OTHER (SPECIFY)
Tubing-Sampling		B-Tygon C-Rope X- (SPECIFY)	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
Filtering Devices 0.45 µ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	(ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water From top of well casing	(ft)	Depth to water From land surface	(ft)
Groundwater Elevation	(ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	(ft)	Stickup	(ft)

	ph		spec cond		
1st	7.85 (STD)	1st	51130	µm/cm at 25° C	Sample Temp. 17.7 (° C)
2nd	(STD)	2nd		µm/cm at 25° C	TURB (other parameter) 67 value NTU units
3rd	(STD)	3rd		µm/cm at 25° C	D.O. (other parameter) 12.11 value mg/L units
4th	(STD)	4th		µm/cm at 25° C	(other parameter) value units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: None Color: Colorless Turbidity: Slight

Weather Conditions: Wind Speed Calm Direction _____ Precipitation Y/N (N) Outlook _____

Specific Comments: _____

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

10/14/03 (Date) Kathleen A. Romano (Signature) Employer: STL

FIELD INFORMATION FORM

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Site #

Bottle Set:

Sample Point: SW03
Source Code

PURGE INFO

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
NA	NA	NA	NA	NA

PURGE & SAMPLING EQUIP

Purging Equipment . . . . .Dedicated | Y | N | (circle one) Sampling Equipment . . . . .Dedicated | Y | N | (circle one)

Purging Device		A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	F	B-Peristaltic Pump	E-Venturi Pump	H-Scoop/Shovel	X- SAMPLING OTHER (SPECIFY)
		C-Bladder Pump	F-Dipper/Bottle	I-Piston Pump	
Purging Material		A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	X	B-Stainless Steel	D-PVC		X- GLASS SAMPLING OTHER (SPECIFY)
Tubing-Purging		A-Teflon	D-Polypropylene	F-Silicon	X- PURGING OTHER (SPECIFY)
Tubing-Sampling		B-Tygon	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
		C-Rope X- (SPECIFY)			
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	(ft/msl)	Land Surface Elevation	(ft/msl)
Depth to water from top of well casing	(ft)	Depth to water From land surface	(ft)
Groundwater Elevation	(ft/msl)	Groundwater Elevation	(ft/msl)
Well Depth	(ft)	Stickup	(ft)

1st	7.86 (ph) (STD)	1st	5100 (spec cond) μm/cm at 25° C	Sample Temp.	17.6 (° C)
2nd	(ph) (STD)	2nd	(spec cond) μm/cm at 25° C	TURB (other parameter)	67 (value) NTU (units)
3rd	(ph) (STD)	3rd	(spec cond) μm/cm at 25° C	D.O. (other parameter)	12.21 (value) mg/L (units)
4th	(ph) (STD)	4th	(spec cond) μm/cm at 25° C	(other parameter)	(value) (units)

FIELD COMMENTS

Sample Appearance: (if applicable) Odor: NONE Color: Colorless Turbidity: Slight

Weather Conditions: Wind Speed Calm Direction Precipitation Y/N Outlook

Specific Comments:

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

10 14 03 (Date) Kathleen H. Romaine (Signature) Employer: BBL

FIELD INFORMATION FORM

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Site #

Bottle Set:

Sample Point: SW04
Source Code

PURGE INFO

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	ACTUAL VOLUME PURGED (Gallons)
NA	NA	NA	NA	NA

PURGE & SAMPLING EQUIP

Purging Equipment . . . . .Dedicated | Y | | N | (circle one)

Sampling Equipment . . . . .Dedicated | Y | (circle one) | N |

Purging Device		A-Submersible Pump	D-Gas Lift Pump	G-Bailer	X- PURGING OTHER (SPECIFY)
Sampling Device	F	B-Peristaltic Pump C-Bladder Pump	E-Venturi Pump F-Dipper/Bottle	H-Scoop/Shovel I-Piston Pump	X- SAMPLING OTHER (SPECIFY)
Purging Material		A-Teflon	C-Polypropylene	E-Polyethylene	X- PURGING OTHER (SPECIFY)
Sampling Material	X	B-Stainless Steel	D-PVC		X- GLASS SAMPLING OTHER (SPECIFY)
Tubing-Purging		A-Teflon	D-Polypropylene	F-Silicon	X- PURGING OTHER (SPECIFY)
Tubing-Sampling		B-Tygon C-Rope X- (SPECIFY)	E-Polyethylene	G-Combination teflon/ Polypropylene	X- SAMPLING OTHER (SPECIFY)
Filtering Devices 0.45 μ:		A-In-line Disposable	B-Pressure	C-Vacuum	

FIELD MEASUREMENTS

Well Elevation	(ft/msl)		Land Surface Elevation	(ft/msl)	
Depth to water From top of well casing	(ft)		Depth to water From land surface	(ft)	
Groundwater Elevation	(ft/msl)		Groundwater Elevation	(ft/msl)	
Well Depth	(ft)		Stickup	(ft)	

1st	7.82 ph (STD)	1st	48210 spec cond μm/cm at 25° C	Sample Temp.	17.3 (° C)	
2nd	ph (STD)	2nd	spec cond μm/cm at 25° C	TURB (other parameter)	89 value	NTU units
3rd	ph (STD)	3rd	spec cond μm/cm at 25° C	D.O. (other parameter)	12.58 value	mg/l units
4th	ph (STD)	4th	spec cond μm/cm at 25° C	(other parameter)	value	units

FIELD COMMENTS

Sample Appearance: _____ (if applicable) Odor: NONE Color: Colorless Turbidity: Slight

Weather Conditions: Wind Speed Calm Direction _____ Precipitation Y/N Outlook _____

Specific Comments: _____

I certify that sampling procedures were in accordance with applicable EPA, State and WMI protocols.

10/14/03 (Date) Kathleen H. Romaine (Signature) Employer: STL

METHODS SUMMARY

Job#: A03-9981,A03-9999,A03-A000

STL Project#: NY0A8575.2
SDG#: 1003SW
Site Name: Kin-Buc Landfill

PARAMETER	ANALYTICAL METHOD
METHOD 624 - PRIORITY POLLUTANT VOLATILES	CFR136 624
** SUB - METHANE, ETHENE, ETHANE	OTHER RSK175
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES	CFR136 625
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS	CFR136 608 P/PCB
Antimony - Total	CFR136 200.7
Arsenic - Total	CFR136 200.7
Barium - Total	CFR136 200.7
Beryllium - Total	CFR136 200.7
Cadmium - Total	CFR136 200.7
Lead - Total	CFR136 200.7
Manganese - Total	CFR136 200.7
Mercury - Total	CFR136 245.1
Nickel - Total	CFR136 200.7
Vanadium - Total	CFR136 200.7
Zinc - Total	CFR136 200.7
Biochemical Oxygen Demand	CFR136 405.1
Chemical Oxygen Demand	CFR136 410.4
Chloride	CFR136 325.2
Cyanide - Total	CFR136 335.3
Nitrogen, Nitrate	CFR136 353.2
Total Dissolved Solids	CFR136 160.1
Total Organic Carbon	CFR136 415.1
Total Organic Halides (Tox)	SW8463 9020
Total Recoverable Phenolics	CFR136 420.2

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

OTHER Non-Standard Protocol and Method Defined by State, Client QAPP or Developed by Laboratory

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

LABORATORY CHRONICLE

Job No: A03-9981
Client: Waste Management - Closed Sites
Project: NY0A8575.2
SDG:
Case:
SMO No:
No. Samps: 6

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 402.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/14/2003 13:35	10/15/2003 10:00	SW-01	A3998101	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 13:10	10/15/2003 10:00	SW-02	A3998102	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 12:40	10/15/2003 10:00	SW-03	A3998103	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 12:00	10/15/2003 10:00	SW-04	A3998104	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	
					1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003 09:00	10/15/2003 10:00	FBSW101403	A3998105	Good	3-40mlV	PP VOAS	RECNY	0103	<2
					2-1lGA	PP BNA	RECNY	0100	
					2-1lGA	PP P/PCB	RECNY	0100	
					1-1lP	BOD	RECNY	0100	

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-9981
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No:
No. Samps: 6

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4@2.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/14/2003 09:00	10/15/2003 10:00	FBSW101403	A3998105	Good	1-4ozP	COD	RECNY	0102	<2
					2-40mlV	TOC	RECNY	0103	<2
					1-16ozP	CL;NITRATE;TDS	RECNY	0100	
					2-8ozGAS	TOX (1)	RECNY	0102	<2
					1-8ozGA	TPHENOLS	RECNY	0102	<2
10/14/2003	10/15/2003 10:00	TBSW101403	A3998106	Good	4-40mlV	PP VOAS	RECNY	0103	<2

Sample Custodian: [signature] 10/15/2003

Analytical Services Coordinator: _____ / /20

14/439

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

Job No: A03-9999
Client: Waste Management - Closed Sites
Project: NYOA8575.2
SDG:
Case:
SMO No: 029
No. Samps: 5

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

Cooler Temperature: 4@2.0°C

Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log Code	Pres log PH
10/14/2003 13:35	10/15/2003 10:00	SW-01	A3999901	Good	1-8ozP	T METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/14/2003 13:10	10/15/2003 10:00	SW-02	A3999902	Good	1-8ozP	T METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/14/2003 12:40	10/15/2003 10:00	SW-03	A3999903	Good	1-8ozP	T METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/14/2003 12:00	10/15/2003 10:00	SW-04	A3999904	Good	1-8ozP	T METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12
10/14/2003 09:00	10/15/2003 10:00	FBSW101403	A3999905	Good	1-8ozP	T METALS	STLCT	0001	<2
					1-8ozP	T CN	STLCT	0105	>12

ample Custodian: [signature] 10/16/2003

Analytical Services Coordinator: _____ /20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

NON-CONFORMANCE SUMMARY

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A3998105	FBSW101403	10/14/2003	09:00	10/15/2003	10:00
A3999905	FBSW101403	10/14/2003	09:00	10/15/2003	10:00
A3A00005	FBSW101403	10/14/2003	09:00	10/15/2003	10:00
A3998101	SW-01	10/14/2003	13:35	10/15/2003	10:00
A3999901	SW-01	10/14/2003	13:35	10/15/2003	10:00
A3A00001	SW-01	10/14/2003	13:35	10/15/2003	10:00
A3998102	SW-02	10/14/2003	13:10	10/15/2003	10:00
A3999902	SW-02	10/14/2003	13:10	10/15/2003	10:00
A3A00002	SW-02	10/14/2003	13:10	10/15/2003	10:00
A3998103	SW-03	10/14/2003	12:40	10/15/2003	10:00
A3999903	SW-03	10/14/2003	12:40	10/15/2003	10:00
A3A00003	SW-03	10/14/2003	12:40	10/15/2003	10:00
A3998104	SW-04	10/14/2003	12:00	10/15/2003	10:00
A3999904	SW-04	10/14/2003	12:00	10/15/2003	10:00
A3A00004	SW-04	10/14/2003	12:00	10/15/2003	10:00
A3998106	TBSW101403	10/14/2003		10/15/2003	10:00

METHODS SUMMARY

Job#: A03-9981,A03-9999,A03-A000

STL Project#: NY0A8575.2
SDG#: 1003SW
Site Name: Kin-Buc Landfill

PARAMETER	ANALYTICAL METHOD
METHOD 624 - PRIORITY POLLUTANT VOLATILES	CFR136 624
** SUB - METHANE, ETHENE, ETHANE	OTHER RSK175
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES	CFR136 625
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS	CFR136 608 P/PCB
Antimony - Total	CFR136 200.7
Arsenic - Total	CFR136 200.7
Barium - Total	CFR136 200.7
Beryllium - Total	CFR136 200.7
Cadmium - Total	CFR136 200.7
Lead - Total	CFR136 200.7
Manganese - Total	CFR136 200.7
Mercury - Total	CFR136 245.1
Nickel - Total	CFR136 200.7
Vanadium - Total	CFR136 200.7
Zinc - Total	CFR136 200.7
Biochemical Oxygen Demand	CFR136 405.1
Chemical Oxygen Demand	CFR136 410.4
Chloride	CFR136 325.2
Cyanide - Total	CFR136 335.3
Nitrogen, Nitrate	CFR136 353.2
Total Dissolved Solids	CFR136 160.1
Total Organic Carbon	CFR136 415.1
Total Organic Halides (Tox)	SW8463 9020
Total Recoverable Phenolics	CFR136 420.2

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

OTHER Non-Standard Protocol and Method Defined by State, Client QAPP or Developed by Laboratory

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A03-9981,A03-9999,A03-A000

STL Project#: NY0A8575.2
SDG#: 1003SW
Site Name: Kin-Buc Landfill

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A03-9981
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.
A03-9999
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.
A03-A000
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

All samples were preserved to a PH less than 2.

The analyte 2-chloroethyl vinyl ether cannot be reliably quantitated in acid preserved samples, therefore, the reporting limit for the analyte 2-chloroethyl vinyl ether is not reliable or defensible.

GC Volatile Data

Ethane, Ethene and Methane were subcontracted to STL Burlington. All data is included in this report as Appendix A.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Extractable Data

For method 608, samples SW01, SW02, SW03, and SW04 were passed through florisil cartridges to remove sample matrix.

Metals Data

Metals and Total Cyanide were subcontracted to STL Connecticut. All data is included in this report as Appendix A.

Wet Chemistry Data

The values obtained for Chloride on samples SW-01, SW-02, SW-03 and SW-04 are inconsistent with historical trends. Reanalysis was performed and the values were confirmed. Only the results from the original analysis are provided in this data package.

The requested reporting limit for TR-Phenolics is below STL's standard reporting limit and, therefore, no corrective action has been taken for this anomaly. It must be noted that results reported below STL's standard reporting limit may result in false positive/false negative results, less accurate quantitation and potential misidentification at the lower concentrations.

The value obtained for TOX on sample SW-02 is inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

The values obtained for TOX on samples SW-01 and SW-03 were inconsistent with historical trends. Reanalysis was performed and the values were confirmed. Only the results from the original analysis are provided in this data package.

The value obtained for TOX on sample SW-04 is inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

ate: 11/13/2003
ime: 12:28:54

Dilution Log w/Code Information
For Project NYOA8575.2, SDG 1003SW

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
SW-01	A3998101	Chloride	50.00	008
SW-02	A3998102	Chloride	40.00	008
SW-02	A3998102	Total Organic Halides (Tox)	5.00	008
SW-03	A3998103	Chloride	100.00	008
SW-03	A3998103	Total Organic Halides (Tox)	5.00	008
SW-04	A3998104	Chloride	100.00	008

ilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

SAMPLE DATA SUMMARY PACKAGE

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2097.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: SW-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2093.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: SW-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2094.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

SW-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2095.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

SW-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2096.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

TBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2098.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.
FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998105

Sample wt/vol: 1040.0 (g/mL) ML Lab File ID: X58000.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.9	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.4	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.2	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.7	U
85-68-7	Butyl benzyl phthalate	4.3	U
59-50-7	Cresol, p-Chloro-m-	3.6	U
91-58-7	2-Chloronaphthalene	5.2	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.6	U
218-01-9	Chrysene	6.3	U
53-70-3	Dibenzo(a,h)anthracene	5.8	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.8	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.7	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998105

Sample wt/vol: 1040.0 (g/mL) ML Lab File ID: X58000.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.2	U
606-20-2	2,6-Dinitrotoluene	5.6	U
84-74-2	Di-n-butyl phthalate	7.7	U
117-84-0	Di-n-octyl phthalate	5.3	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.7	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	8.0	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.7	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.1	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.6	U
86-30-6	N-nitrosodiphenylamine	5.9	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.3	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.8	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: SW-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998101

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57996.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.8	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.0	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.3	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.2	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998101

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57996.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.5	U
86-73-7	Fluorene	6.8	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.8	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.3	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998102

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57997.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.8	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.0	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.3	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.2	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998102

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57997.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.5	U
86-73-7	Fluorene	6.8	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.8	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.3	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998103

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57998.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: SW-03

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998103

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: X57998.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998104

Sample wt/vol: 1030.0 (g/mL) ML Lab File ID: X57999.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.9	U
208-96-8	Acenaphthylene	5.0	U
120-12-7	Anthracene	6.4	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.4	U
207-08-9	Benzo(k)fluoranthene	9.3	U
191-24-2	Benzo(ghi)perylene	4.5	U
50-32-8	Benzo(a)pyrene	6.5	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U
101-55-3	4-Bromophenyl phenyl ether	5.7	U
85-68-7	Butyl benzyl phthalate	4.3	U
59-50-7	Cresol, p-Chloro-m-	3.6	U
91-58-7	2-Chloronaphthalene	5.2	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.6	U
218-01-9	Chrysene	6.3	U
53-70-3	Dibenzo(a,h)anthracene	5.8	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.2	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.3	U
84-66-2	Diethyl phthalate	6.4	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.8	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.7	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998104

Sample wt/vol: 1030.0 (g/mL) ML Lab File ID: X57999.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.3	U
606-20-2	2,6-Dinitrotoluene	5.6	U
84-74-2	Di-n-butyl phthalate	7.7	U
117-84-0	Di-n-octyl phthalate	5.3	U
206-44-0	Fluoranthene	7.7	U
86-73-7	Fluorene	7.0	U
118-74-1	Hexachlorobenzene	6.7	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.0	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.7	U
78-59-1	Isophorone	3.6	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.2	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.6	U
86-30-6	N-nitrosodiphenylamine	6.0	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.4	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.8	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.2	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998105

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: RA29455.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: SW-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998101

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29500.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

SW-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998102

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29501.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: SW-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998103

Sample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29502.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: SW-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998104

Sample wt/vol: 1045.00 (g/mL) ML Lab File ID: RA29503.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998105

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	10.7				410.4	10/17/2003
Chloride	MG/L	1.0	U			325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003
Total Dissolved Solids	MG/L	10	U			160.1	10/17/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	10	U			9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

FBSW101403

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

latrix (soil/water): WATER Lab Sample ID: A3999905

: Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0014	B			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-01

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998101

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	14.1				410.4	10/17/2003
Chloride	MG/L	1820				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	1.6				353.2	10/15/2003
Total Dissolved Solids	MG/L	3170				160.1	10/17/2003
Total Organic Carbon	MG/L	1.9				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	50.2				9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/28/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3999901

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0051	B			335.3	10/22/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-02

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998102

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.5				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	20.9				410.4	10/17/2003
Chloride	MG/L	1830				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	1.5				353.2	10/15/2003
Total Dissolved Solids	MG/L	3580				160.1	10/17/2003
Total Organic Carbon	MG/L	1.8				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	151				9020	10/23/2003
Total Recoverable Phenolics	MG/L	0.0097				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

SW-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3999902

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0017	B			335.3	10/22/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-03

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998103

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	29.0				410.4	10/17/2003
Chloride	MG/L	2440				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	1.5				353.2	10/15/2003
Total Dissolved Solids	MG/L	4680				160.1	10/17/2003
Total Organic Carbon	MG/L	1.7				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	250				9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3999903

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-04

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998104

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	3.0				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	39.1				410.4	10/17/2003
Chloride	MG/L	3080				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	1.5				353.2	10/15/2003
Total Dissolved Solids	MG/L	6040				160.1	10/17/2003
Total Organic Carbon	MG/L	1.6				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	60.1				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0084				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-04

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix (soil/water): WATER Lab Sample ID: A3999904

Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0088	B			335.3	10/22/2003

omments:

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

	Client Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	FBSW101403	104		110		100							0
2	MSB83	102		113		102							0
3	SW-01	104		110		99							0
4	SW-02	105		106		99							0
5	SW-03	102		109		100							0
6	SW-04	104		108		97							0
7	TBSW101403	106		110		97							0
8	VBLK83	103		92		99							0
9	VBLK84	100		96		99							0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(67-127)
DCE	=	1,2-Dichloroethane-D4	(79-146)
TOL	=	Toluene-D8	(86-110)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

	Client Sample ID	2FP %REC	#	FBP %REC	#	NBZ %REC	#	PHL %REC	#	TBP %REC	#	TPH %REC	#			TOT OUT
1	FBSW101403	40		90		76		25		67		100				0
2	Matrix Spike Blank	38		85		70		27		84		96				0
3	S Blank	40		81		71		27		66		94				0
4	SW-01	41		91		76		26		67		83				0
5	SW-02	41		90		77		27		72		89				0
6	SW-03	38		94		80		24		74		84				0
7	SW-04	42		89		76		28		70		81				0

			QC LIMITS
2FP	=	2-Fluorophenol	(16-120)
FBP	=	2-Fluorobiphenyl	(46-120)
NBZ	=	Nitrobenzene-D5	(37-120)
PHL	=	Phenol-D5	(10-110)
TBP	=	2,4,6-Tribromophenol	(45-136)
TPH	=	p-Terphenyl-d14	(41-134)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

GC Column(1): RTXCLPI ID: 0.53 (mm)

	Client Sample ID	DCBP %REC	#	TCMX %REC	#							TOT OUT
1	FBSW101403	94		60								0
2	Matrix Spike Blank	128		64								0
3	Method Blank	125		80								0
4	SW-01	74		84								0
5	SW-02	75		88								0
6	SW-03	92		81								0
7	SW-04	68		66								0

QC LIMITS

(DCBP) = Decachlorobiphenyl (30-135)
(TCMX) = Tetrachloro-m-xylene (22-119)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: SIL Buffalo Contract: _____ Lab Samp ID: A3998107

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix Spike - Client Sample No.: ~~VBLK03~~ MS083 MTM 10/29/2003

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Acrolein	400	479	120		64 - 135
Acrylonitrile	400	420	105		53 - 143
Benzene	20.0	18.1	91		80 - 122
Dichlorobromomethane	20.0	18.7	94		81 - 118
Bromoform	20.0	17.1	86		74 - 115
Bromomethane	20.0	20.7	104		51 - 155
Carbon Tetrachloride	20.0	18.9	95		70 - 140
Chlorobenzene	20.0	17.6	88		80 - 118
Chloroethane	20.0	22.7	114		72 - 131
2-Chloroethylvinyl ether	100	91.4	91		66 - 131
Chloroform	20.0	17.3	86		81 - 123
Chloromethane	20.0	18.8	94		64 - 130
Dibromochloromethane	20.0	17.7	88		78 - 118
1,1-Dichloroethane	20.0	18.8	94		72 - 133
1,2-Dichloroethane	20.0	20.1	101		78 - 121
1,1-Dichloroethene	20.0	19.8	99		71 - 132
1,2-Dichloropropane	20.0	18.5	93		82 - 120
cis-1,3-Dichloropropene	20.0	17.7	89		81 - 118
trans-1,3-Dichloropro(1)	20.0	17.6	88		79 - 116
Ethylbenzene	20.0	17.5	88		80 - 122
Methylene chloride	20.0	18.7	88		61 - 135
1,1,2,2-Tetrachloroet(2)	20.0	17.5	88		76 - 126
Tetrachloroethene	20.0	17.7	89		40 - 145
Toluene	20.0	17.8	89		68 - 130
1,1,1-Trichloroethane	20.0	16.3	82		75 - 123
1,1,2-Trichloroethane	20.0	18.1	91		80 - 121
Trichloroethene	20.0	18.3	92		76 - 122
Vinyl chloride	20.0	21.3	106		62 - 136

(1) trans-1,3-Dichloropropene
(2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 28 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: SIL Buffalo Contract: _____ Lab Samp ID: A3B1182602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Acenaphthene	50.0	38.1	76		47 - 120
Acenaphthylene	50.0	39.0	78		35 - 129
Anthracene	50.0	40.8	82		49 - 133
Benzidine	50.0	16.6	33		1 - 120
Benzo(a)anthracene	50.0	48.1	96		50 - 143
Benzo(b)fluoranthene	50.0	48.4	97		59 - 138
Benzo(k)fluoranthene	50.0	44.6	89		50 - 143
Benzo(ghi)perylene	50.0	51.1	102		44 - 153
Benzo(a)pyrene	50.0	48.2	96		57 - 140
Bis(2-chloroethoxy) m(1)	50.0	37.0	74		40 - 120
Bis(2-chloroethyl) ether	50.0	32.5	65		35 - 120
2,2'-Oxybis(1-Chlorop(2)	50.0	30.9	62		33 - 120
Bis(2-ethylhexyl) pht(3)	50.0	45.9	92		49 - 158
4-Bromophenyl phenyl (4)	50.0	38.2	76		53 - 127
Butyl benzyl phthalate	50.0	45.2	90		47 - 147
[redacted]ol, p-Chloro-m-	50.0	43.0	86		45 - 138
[redacted]loronaphthalene	50.0	31.6	63		60 - 120
2-Chlorophenol	50.0	31.4	63		31 - 120
4-Chlorophenyl phenyl(5)	50.0	42.0	84		43 - 126
Chrysene	50.0	43.5	87		55 - 146
Dibenzo(a,h)anthracene	50.0	49.3	99		45 - 153
1,3-Dichlorobenzene	50.0	13.2	26		11 - 120
1,2-Dichlorobenzene	50.0	16.0	32		32 - 120
1,4-Dichlorobenzene	50.0	14.5	29		20 - 120
3,3'-Dichlorobenzidine	50.0	52.7	105		35 - 143
2,4-Dichlorophenol	50.0	39.4	79		43 - 123
Diethyl phthalate	50.0	48.2	96		44 - 120
2,4-Dimethylphenol	50.0	41.1	82		42 - 120
Dimethyl phthalate	50.0	47.2	94		54 - 120
Cresol, 4,6-Dinitro-O(6)	50.0	39.4	79		32 - 156
1,2-Diphenylhydrazine	50.0	42.5	85		47 - 146
2,4-Dinitrophenol	50.0	33.0	66		16 - 127
2,4-Dinitrotoluene	50.0	48.8	98		51 - 139
2,6-Dinitrotoluene	50.0	46.2	92		55 - 144
Di-n-butyl phthalate	50.0	41.8	82		53 - 120
Di-n-octyl phthalate	50.0	46.3	93		56 - 146
Fluoranthene	50.0	42.1	84		46 - 137
Fluorene	50.0	44.2	88		59 - 121
Hexachlorobenzene	50.0	39.3	79		54 - 133
Hexachlorobutadiene	50.0	10.8	22	*	24 - 120
[redacted]achlorocyclopentad(7)	50.0	12.5	25		5 - 120
[redacted]chloroethane	50.0	9.18	18	*	40 - 113
Indeno(1,2,3-cd)pyrene	50.0	51.1	102		50 - 147
Isophorone	50.0	36.7	73		34 - 120
Naphthalene	50.0	27.5	55		27 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Nitrobenzene	50.0	33.9	68		35 - 120
2-Nitrophenol	50.0	36.2	72		34 - 123
4-Nitrophenol	50.0	20.1	40		22 - 120
N-Nitrosodimethylamine	50.0	22.9	46		19 - 120
N-Nitroso-Di-n-propyl(8)	50.0	36.2	72		40 - 120
N-nitrosodiphenylamine	50.0	31.7	63		54 - 125
Pentachlorophenol	50.0	35.9	72		37 - 147
Phenanthrene	50.0	41.2	82		56 - 120
Phenol	50.0	14.9	30		12 - 120
Pyrene	50.0	51.6	103		52 - 120
1,2,4-Trichlorobenzene	50.0	18.3	37	*	44 - 120
2,4,6-Trichlorophenol	50.0	44.0	88		48 - 136

(1) Bis(2-chloroethoxy) methane
(2) 2,2'-Oxybis(1-Chloropropane)
(3) Bis(2-ethylhexyl) phthalate
(4) 4-Bromophenyl phenyl ether
(5) 4-Chlorophenyl phenyl ether
(6) 4,6-Dinitro-2-methylphenol
(7) Hexachlorocyclopentadiene
(8) N-Nitroso-Di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 3 out of 57 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182502

Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.	+
alpha-BHC	0.0500	0.0364	73		49 - 120	
Heptachlor	0.0500	0.0334	67		17 - 120	
Aldrin	0.0500	0.0223	45		19 - 120	
beta-BHC	0.0500	0.0409	82		58 - 120	
gamma-BHC (Lindane)	0.0500	0.0368	74		50 - 120	
delta-BHC	0.0500	0.0367	73		56 - 120	
Dieldrin	0.0500	0.0345	69		55 - 125	
Endrin	0.0500	0.0449	90		53 - 127	
4,4'-DDD	0.0500	0.0486	97		57 - 130	
4,4'-DDT	0.0500	0.0435	87		52 - 121	
4,4'-DDE	0.0500	0.0404	81		33 - 126	
Endosulfan I	0.0500	0.0407	81		44 - 124	
Endosulfan II	0.0500	0.0384	77		60 - 124	
Endrin aldehyde	0.0500	0.0581	116		59 - 122	
Endosulfan Sulfate	0.0500	0.0433	87		52 - 134	
Heptachlor epoxide	0.0500	0.0409	82		53 - 120	
Methoxychlor	0.0500	0.0471	94		50 - 127	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 17 outside limits

Comments: _____

SDG: 1003SW
ient Sample ID: Method Blank
Lab Sample ID: A3B1181202
LCS
A3B1181201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	182.0	198.0	92	85-115

62/439

' Indicates Result is outside QC Limits
IC = Not Calculated, ND = Not Detected

SDG: 1003SW
ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1189502 A3B1189501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS					
410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	73.90	75.00	98	90-110

63/439

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
ient Sample ID: Method Blank
Lab Sample ID: A3B1183502

LCS
A3B1183501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS 325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	23.40	25.00	94	90-110

64/439

' Indicates Result is outside QC Limits
IC = Not Calculated ND = Not Detected

SDG: 1003SW
.ient Sample ID: Method Blank
Lab Sample ID: A3B1205502

LCS
A3B1205501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
/ET CHEMISTRY ANALYSIS					
325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	23.50	25.00	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
.ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1178202 A3B1178201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
/ET CHEMISTRY ANALYSIS					
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.35	2.50	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calculat ND = Not Detected

SDG: 1003SW
ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1186502 A3B1186501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	482.0	500.0	96	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
ient Sample ID: Method Blank
Lab Sample ID: A3B1212902

LCS
A3B1212901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	54.93	60.00	92	90-110

' Indicates Result is outside QC Limits
IC = Not Calculat[illegible] ND = Not Detected

SDG: 1003SW
ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1214203 A3B1214201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	109.1	100.0	109	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
ient Sample ID: Method Blank
Lab Sample ID: A3B1220103

LCS
A3B1220101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
IET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	116.0	100.0	116	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1223403 A3B1223401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
IET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	116.0	100.0	116	75-125

' Indicates Result is outside QC Limits
IC = Not Calculated ND = Not Detected

SDG: 1003SW
.ient Sample ID: Method Blank
Lab Sample ID: A3B1203702

LCS
A3B1203701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0511	0.0500	102	90-110

* Indicates Result is outside QC Limits
IC = Not Calculated ND = Not Detected

SDG: 1003SW
ient Sample ID: Method Blank LCS
Lab Sample ID: A3B1235002 A3B1235001

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
ET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0550	0.0500	110	90-110

' Indicates Result is outside QC Limits
IC = Not Calculated ND = Not Detected

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID: R2078.RR Lab Sample ID: A3998107

Date Analyzed: 10/16/2003 Time Analyzed: 19:59

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB83	A3998108	R2111.RR	10:14
2	SW-02	A3998102	R2094.RR	00:02
3	SW-04	A3998104	R2096.RR	00:32
4	TBSW101403	A3998106	R2098.RR	01:02

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2078.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK84

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID: R2079.RR Lab Sample ID: A3998109

Date Analyzed: 10/16/2003 Time Analyzed: 20:15

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FBSW101403	A3998105	R2097.RR	00:47
2	SW-01	A3998101	R2093.RR	23:47
3	SW-03	A3998103	R2095.RR	00:17

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK84

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998109

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2079.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
METHOD BLANK SUMMARY

Client No.
S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID: X57984.RR Lab Sample ID: A3B1182602

Instrument ID: I50X-A Date Extracted: 10/17/2003

Matrix: (soil/water) WATER Date Analyzed: 10/18/2003

Level: (low/med) LOW Time Analyzed: 11:46

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	FBSW101403	A3998105	X58000.RR	10/18/2003
2	Matrix Spike Blank	A3B1182601	X57983.RR	10/18/2003
3	SW-01	A3998101	X57996.RR	10/18/2003
4	SW-02	A3998102	X57997.RR	10/18/2003
5	SW-03	A3998103	X57998.RR	10/18/2003
6	SW-04	A3998104	X57999.RR	10/18/2003

Comments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3B1182602

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57984.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	5.1	U
208-96-8	Acenaphthylene	5.1	U
120-12-7	Anthracene	6.6	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.6	U
207-08-9	Benzo(k)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	4.6	U
50-32-8	Benzo(a)pyrene	6.7	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.1	U
101-55-3	4-Bromophenyl phenyl ether	5.9	U
85-68-7	Butyl benzyl phthalate	4.4	U
59-50-7	Cresol, p-Chloro-m-	3.7	U
91-58-7	2-Chloronaphthalene	5.4	U
95-57-8	2-Chlorophenol	3.4	U
7005-72-3	4-Chlorophenyl phenyl ether	5.8	U
218-01-9	Chrysene	6.5	U
53-70-3	Dibenzo(a,h)anthracene	6.0	U
541-73-1	1,3-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	3.3	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.4	U
84-66-2	Diethyl phthalate	6.6	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	6.0	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.9	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3B1182602

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57984.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.4	U
606-20-2	2,6-Dinitrotoluene	5.8	U
84-74-2	Di-n-butyl phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.5	U
206-44-0	Fluoranthene	7.9	U
86-73-7	Fluorene	7.2	U
118-74-1	Hexachlorobenzene	6.9	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.3	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.9	U
78-59-1	Isophorone	3.7	U
91-20-3	Naphthalene	3.5	U
98-95-3	Nitrobenzene	2.9	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.4	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.7	U
86-30-6	N-nitrosodiphenylamine	6.2	U
87-86-5	Pentachlorophenol	15	U
85-01-8	Phenanthrene	7.6	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	6.0	U
120-82-1	1,2,4-Trichlorobenzene	2.9	U
88-06-2	2,4,6-Trichlorophenol	5.3	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1182502 Lab File ID: RA29392.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): N Date Extracted: 10/17/2003

Date Analyzed (1): 10/23/2003 Date Analyzed (2): _____

Time Analyzed (1): 22:26 Time Analyzed (2): _____

Instrument ID (1): HP5890-18 Instrument ID (2): _____

GC Column (1): RTXCLPI Dia: 0.53 (mm) GC Column (2): _____ Dia: ____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	FBSW101403	A3998105	10/25/2003	
2	Matrix Spike Blank	A3B1182501	10/23/2003	
3	SW-01	A3998101	10/27/2003	
4	SW-02	A3998102	10/27/2003	
5	SW-03	A3998103	10/27/2003	
6	SW-04	A3998104	10/27/2003	

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3B1182502

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: RA29392.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1181202 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 07:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/16/2003	07:00
2	LCS	A3B1181201	10/16/2003	07:00
3	SW-01	A3998101	10/16/2003	07:00
4	SW-02	A3998102	10/16/2003	07:00
5	SW-03	A3998103	10/16/2003	07:00
6	SW-04	A3998104	10/16/2003	07:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1181202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1189502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/17/2003 Time Analyzed (1): 11:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/17/2003	11:00
2	LCS	A3B1189501	10/17/2003	11:00
3	SW-01	A3998101	10/17/2003	11:00
4	SW-02	A3998102	10/17/2003	11:00
5	SW-03	A3998103	10/17/2003	11:00
6	SW-04	A3998104	10/17/2003	11:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1189502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/17/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1183502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 13:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	LCS	A3B1183501	10/16/2003	13:35
2	SW-01	A3998101	10/16/2003	13:35
3	SW-02	A3998102	10/16/2003	13:35
4	SW-03	A3998103	10/16/2003	13:35
5	SW-04	A3998104	10/16/2003	13:35

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

latrix (soil/water): WATER Lab Sample ID: A3B1183502

: Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	1.0	U			325.2	10/16/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1205502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 11:01

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/22/2003	11:01
2	LCS	A3B1205501	10/22/2003	11:01

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix (soil/water): WATER Lab Sample ID: A3B1205502

Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	1.0	U			325.2	10/22/2003

omments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1178202 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/15/2003 Time Analyzed (1): 22:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/15/2003	22:00
2	LCS	A3B1178201	10/15/2003	22:00
3	SW-01	A3998101	10/15/2003	22:00
4	SW-02	A3998102	10/15/2003	22:00
5	SW-03	A3998103	10/15/2003	22:00
6	SW-04	A3998104	10/15/2003	22:00

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1178202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1186502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/17/2003 Time Analyzed (1): 07:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/17/2003	07:30
2	LCS	A3B1186501	10/17/2003	07:30
3	SW-01	A3998101	10/17/2003	07:30
4	SW-02	A3998102	10/17/2003	07:30
5	SW-03	A3998103	10/17/2003	07:30
6	SW-04	A3998104	10/17/2003	07:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.
Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

latrix (soil/water): WATER Lab Sample ID: A3B1186502

; Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/17/2003

Comments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1212902 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 13:10

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/22/2003	13:10
2	LCS	A3B1212901	10/22/2003	13:10
3	SW-01	A3998101	10/22/2003	13:10
4	SW-02	A3998102	10/22/2003	13:10
5	SW-03	A3998103	10/22/2003	13:10
6	SW-04	A3998104	10/22/2003	13:10

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix (soil/water): WATER Lab Sample ID: A3B1212902

Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/22/2003

omments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1214203 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/23/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1214202	10/23/2003	15:30
2	LCS	A3B1214201	10/23/2003	15:30
3	SW-02	A3998102	10/23/2003	15:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix (soil/water): WATER Lab Sample ID: A3B1214203

Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/23/2003

omments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1220103 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/24/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1220102	10/24/2003	15:30
2	FBSW101403	A3998105	10/24/2003	15:30
3	LCS	A3B1220101	10/24/2003	15:30
4	SW-01	A3998101	10/24/2003	15:30
5	SW-03	A3998103	10/24/2003	15:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1220103

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/24/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1223403 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/25/2003 Time Analyzed (1): 14:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1223402	10/25/2003	14:30
2	LCS	A3B1223401	10/25/2003	14:30
3	SW-04	A3998104	10/25/2003	14:30

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

latrix (soil/water): WATER Lab Sample ID: A3B1223403

: Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/25/2003

Comments:

_____

_____

_____

_____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1203702 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 19:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/21/2003	19:02
2	LCS	A3B1203701	10/21/2003	19:02
3	SW-02	A3998102	10/21/2003	19:02
4	SW-03	A3998103	10/21/2003	19:02
5	SW-04	A3998104	10/21/2003	19:02

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

latrix (soil/water): WATER Lab Sample ID: A3B1203702

: Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/21/2003

omments:

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1235002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/28/2003 Time Analyzed (1): 20:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	LCS	A3B1235001	10/28/2003	20:20
2	SW-01	A3998101	10/28/2003	20:20

Comments: _____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix (soil/water): WATER Lab Sample ID: A3B1235002

Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/28/2003

omments:

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001355

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID (Standard): X57979.RR Date Analyzed: 10/18/2003

Instrument ID: I50X-A Time Analyzed: 08:24

		IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	632230		14.71		932040		21.38		276492		7.71	
	UPPER LIMIT	1264460		15.21		1864080		21.88		552984		8.21	
	LOWER LIMIT	316115		14.21		466020		20.88		138246		7.21	
	CLIENT SAMPLE												
1	FBSW101403	566690		14.71		839688		21.37		284607		7.71	
2	Matrix Spike Blank	492204		14.71		691920		21.37		238146		7.71	
3	S Blank	518340		14.71		812543		21.36		243642		7.71	
4	SW-01	498658		14.71		755067		21.37		255987		7.71	
5	SW-02	565851		14.71		839256		21.37		284242		7.71	
6	SW-03	536012		14.71		794741		21.37		264212		7.71	
7	SW-04	541084		14.71		839971		21.37		266644		7.71	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001355

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID (Standard): X57979.RR Date Analyzed: 10/18/2003

Instrument ID: I50X-A Time Analyzed: 08:24

		IS4 (NPT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1085065		10.59		934915		17.46		774689		23.82	
	UPPER LIMIT	2170130		11.09		1869830		17.96		1549378		24.32	
	LOWER LIMIT	542533		10.09		467458		16.96		387345		23.32	
	CLIENT SAMPLE												
1	FBSW101403	1071078		10.59		965975		17.46		733081		23.82	
2	Matrix Spike Blank	917451		10.59		814579		17.46		626075		23.81	
3	S Blank	927353		10.59		873305		17.45		667688		23.81	
4	SW-01	933033		10.59		861714		17.46		695376		23.81	
5	SW-02	1041707		10.59		966518		17.46		751595		23.82	
6	SW-03	973033		10.59		905254		17.46		724339		23.81	
7	SW-04	998710		10.59		932794		17.46		741167		23.82	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

VOLATILE DATA

QC SUMMARY

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

	Client Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	FBSW101403	104		110		100							0
2	MSB83	102		113		102							0
3	SW-01	104		110		99							0
4	SW-02	105		106		99							0
5	SW-03	102		109		100							0
6	SW-04	104		108		97							0
7	TBSW101403	106		110		97							0
8	VBLK83	103		92		99							0
9	VBLK84	100		96		99							0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(67-127)
DCE	=	1,2-Dichloroethane-D4	(79-146)
TOL	=	Toluene-D8	(86-110)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3998107

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix Spike - Client Sample No.: ~~VBLK83~~ MS083 mtm 10/29/2003

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acrolein	400	479	120	64 - 135
Acrylonitrile	400	420	105	53 - 143
Benzene	20.0	18.1	91	80 - 122
Dichlorobromomethane	20.0	18.7	94	81 - 118
Bromoform	20.0	17.1	86	74 - 115
Bromomethane	20.0	20.7	104	51 - 155
Carbon Tetrachloride	20.0	18.9	95	70 - 140
Chlorobenzene	20.0	17.6	88	80 - 118
Chloroethane	20.0	22.7	114	72 - 131
2-Chloroethylvinyl ether	100	91.4	91	66 - 131
Chloroform	20.0	17.3	86	81 - 123
Chloromethane	20.0	18.8	94	64 - 130
Dibromochloromethane	20.0	17.7	88	78 - 118
1,1-Dichloroethane	20.0	18.8	94	72 - 133
1,2-Dichloroethane	20.0	20.1	101	78 - 121
1,1-Dichloroethene	20.0	19.8	99	71 - 132
1,2-Dichloropropane	20.0	18.5	93	82 - 120
cis-1,3-Dichloropropene	20.0	17.7	89	81 - 118
trans-1,3-Dichloropro(1)	20.0	17.6	88	79 - 116
Ethylbenzene	20.0	17.5	88	80 - 122
Methylene chloride	20.0	18.7	88	61 - 135
1,1,2,2-Tetrachloroet(2)	20.0	17.5	88	76 - 126
Tetrachloroethene	20.0	17.7	89	40 - 145
Toluene	20.0	17.8	89	68 - 130
1,1,1-Trichloroethane	20.0	16.3	82	75 - 123
1,1,2-Trichloroethane	20.0	18.1	91	80 - 121
Trichloroethene	20.0	18.3	92	76 - 122
Vinyl chloride	20.0	21.3	106	62 - 136

(1) trans-1,3-Dichloropropene
(2) 1,1,2,2-Tetrachloroethane

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 28 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID: R2078.RR Lab Sample ID: A3998107

Date Analyzed: 10/16/2003 Time Analyzed: 19:59

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB83	A3998108	R2111.RR	10:14
2	SW-02	A3998102	R2094.RR	00:02
3	SW-04	A3998104	R2096.RR	00:32
4	TBSW101403	A3998106	R2098.RR	01:02

Comments: _____

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
METHOD BLANK SUMMARY

Client No.: VBLK84

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID: R2079.RR Lab Sample ID: A3998109

Date Analyzed: 10/16/2003 Time Analyzed: 20:15

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FBSW101403	A3998105	R2097.RR	00:47
2	SW-01	A3998101	R2093.RR	23:47
3	SW-03	A3998103	R2095.RR	00:17

Comments: _____

WASTE MANAGEMENT - CLOSED SITES
KIN-BUC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL Buffalo Contract: _____ Tune ID: A3T0002580

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID: R2066 BFB Injection Date: 10/16/2003

Instrument ID: HP5973R BFB Injection Time: 15:24

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	16.7		
75	30.0 - 60.0% of mass 95	55.4		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.3		
173	Less than 2.0% of mass 174	0.3	(0.4)	1
174	50 - 120 % of mass 95	62.9		
175	5.0 - 9.0% of mass 174	4.3	(6.9)	1
176	95.0 - 101.0% of mass 174	60.9	(96.8)	1
177	5.0 - 9.0% of mass 176	4.4	(7.3)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A3I0001348-1	R2070.RR	10/16/2003	16:36
2	VSTD100	A3I0001348-1	R2071.RR	10/16/2003	16:51
3	VSTD005	A3I0001348-1	R2073.RR	10/16/2003	18:20
4	VBLK83	A3998107	R2078.RR	10/16/2003	19:59
5	VBLK84	A3998109	R2079.RR	10/16/2003	20:15
6	SW-01	A3998101	R2093.RR	10/16/2003	23:47
7	SW-02	A3998102	R2094.RR	10/17/2003	00:02
8	SW-03	A3998103	R2095.RR	10/17/2003	00:17
9	SW-04	A3998104	R2096.RR	10/17/2003	00:32
10	FBSW101403	A3998105	R2097.RR	10/17/2003	00:47
11	TBSW101403	A3998106	R2098.RR	10/17/2003	01:02
12	MSB83	A3998108	R2111.RR	10/17/2003	10:14

SAMPLE DATA

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2097.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

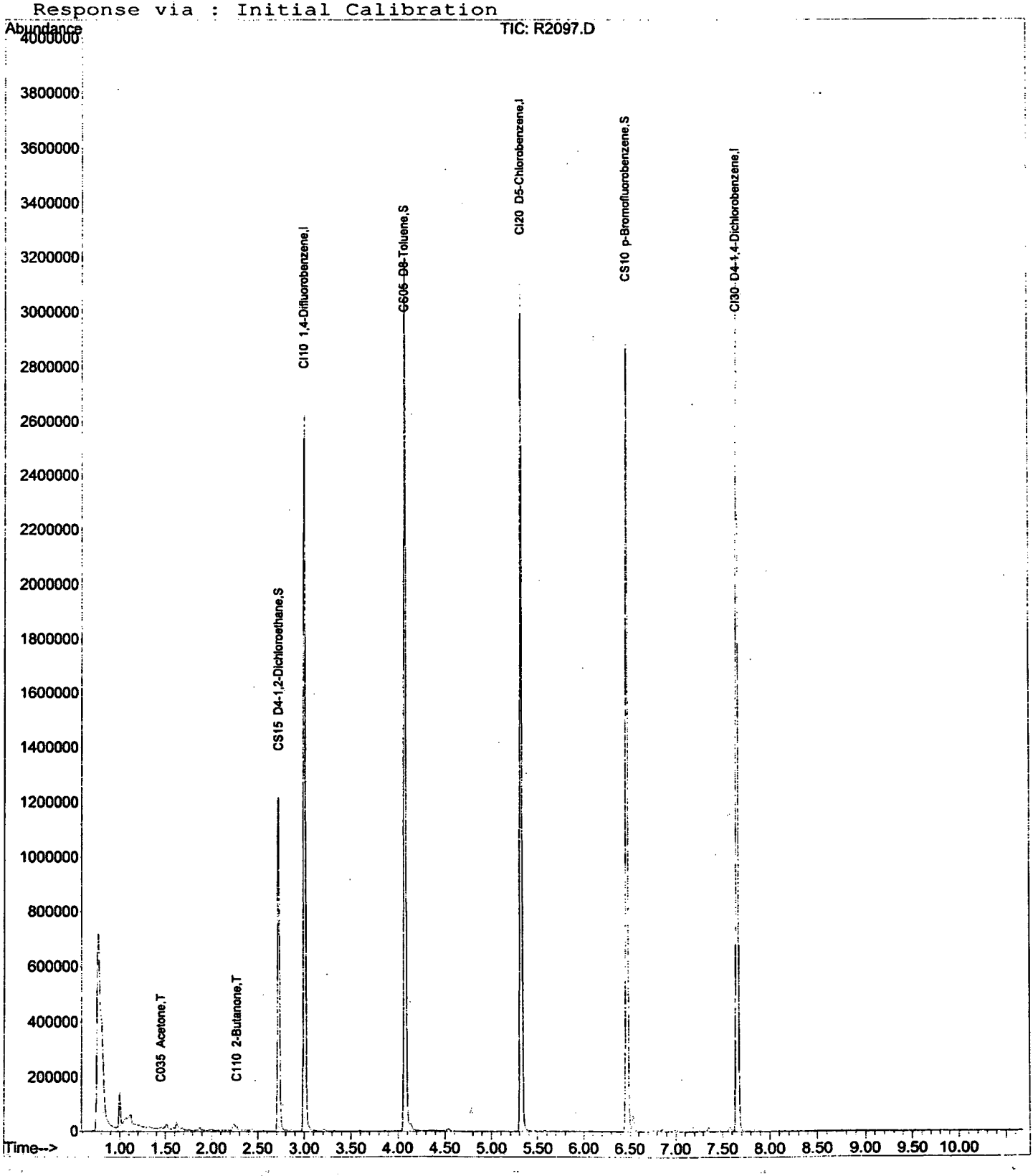
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2097.D
Acq On : 17 Oct 2003 00:47
Sample : A3998105 E2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 8:58 2003

Vial: 33
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

SW-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2093.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

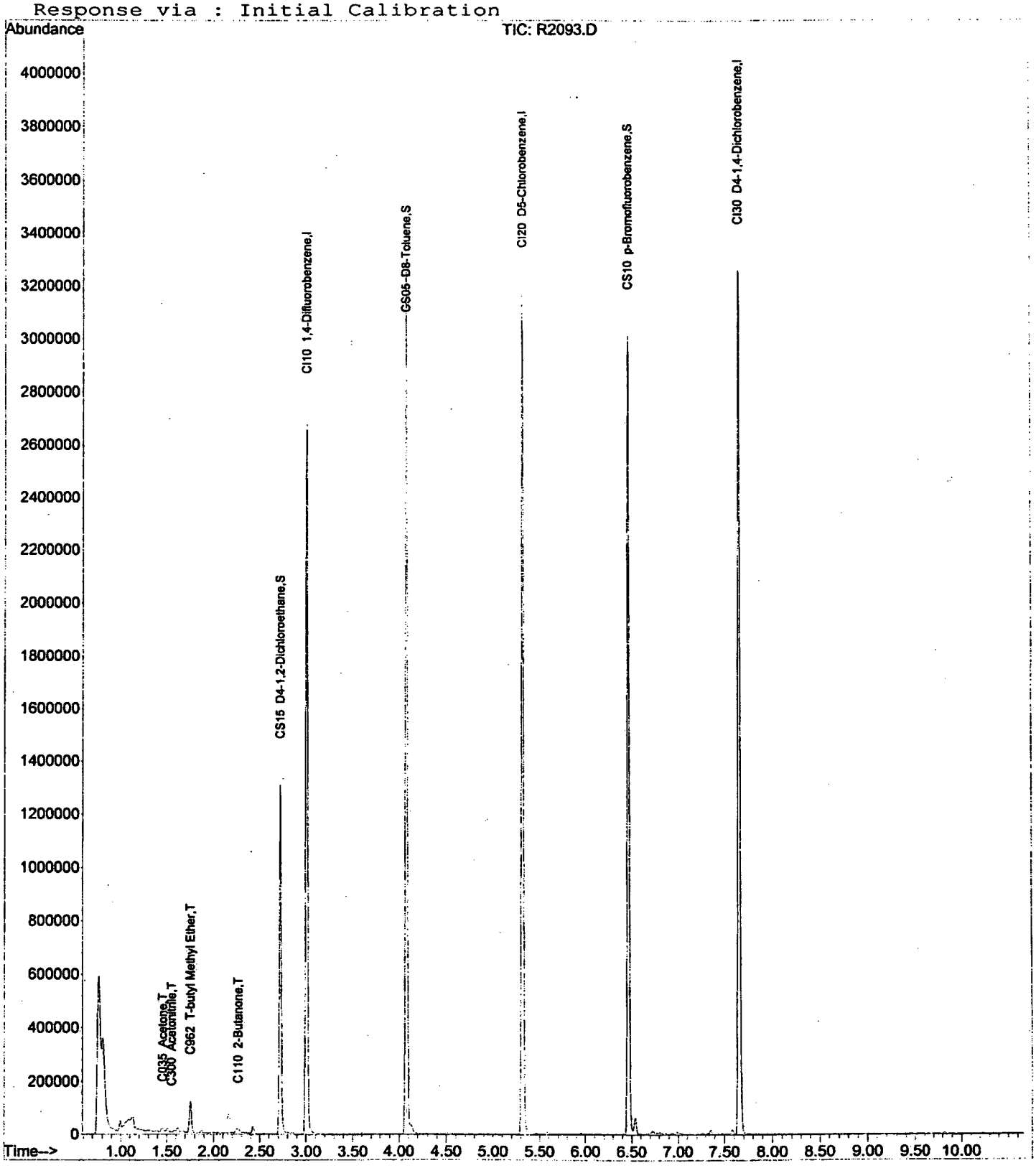
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2093.D
Acq On : 16 Oct 2003 23:47
Sample : A3998101 E2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 8:58 2003

Vial: 29
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

SW-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2094.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

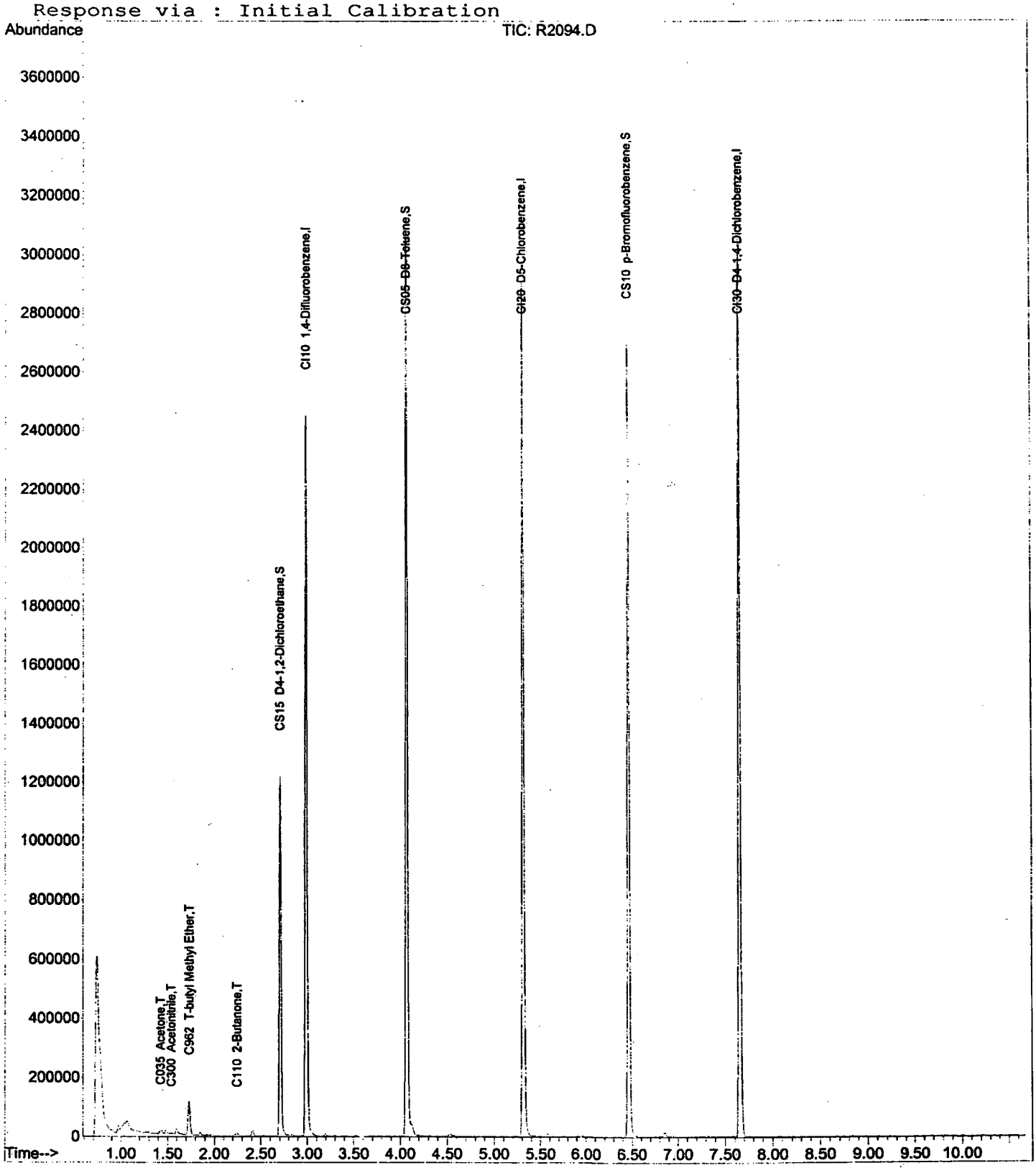
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

Data File : H:\GCMS_VOA\R\101603\R2094.D
Acq On : 17 Oct 2003 00:02
Sample : A3998102 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:17 2003

Vial: 30
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: SW-03

Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2095.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

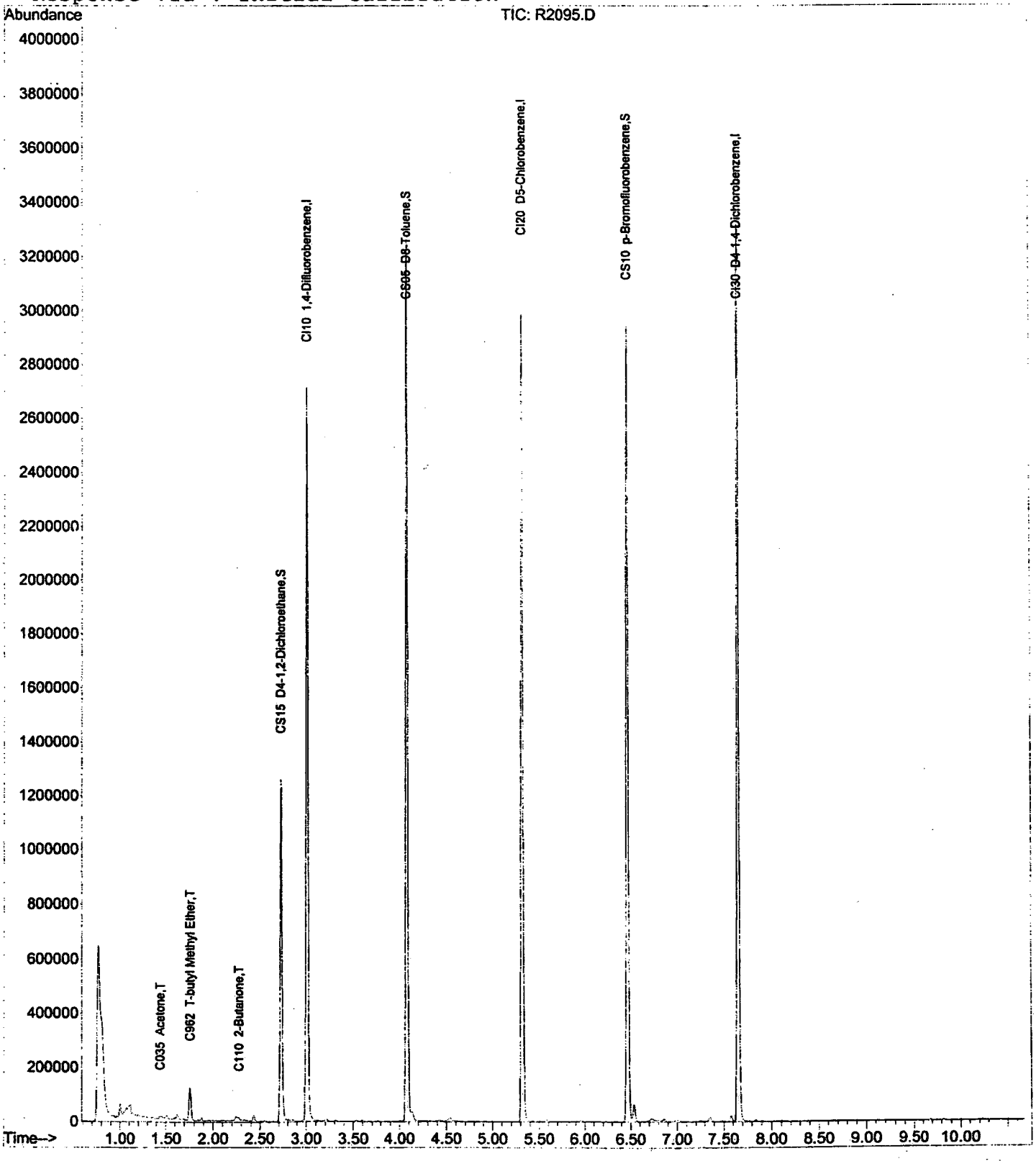
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2095.D
Acq On : 17 Oct 2003 00:17
Sample : A3998103 E2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 8:58 2003

Vial: 31
Operator: DGP
Inst : HP5973R
Multiplr: 1.00
Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: SW-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2096.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

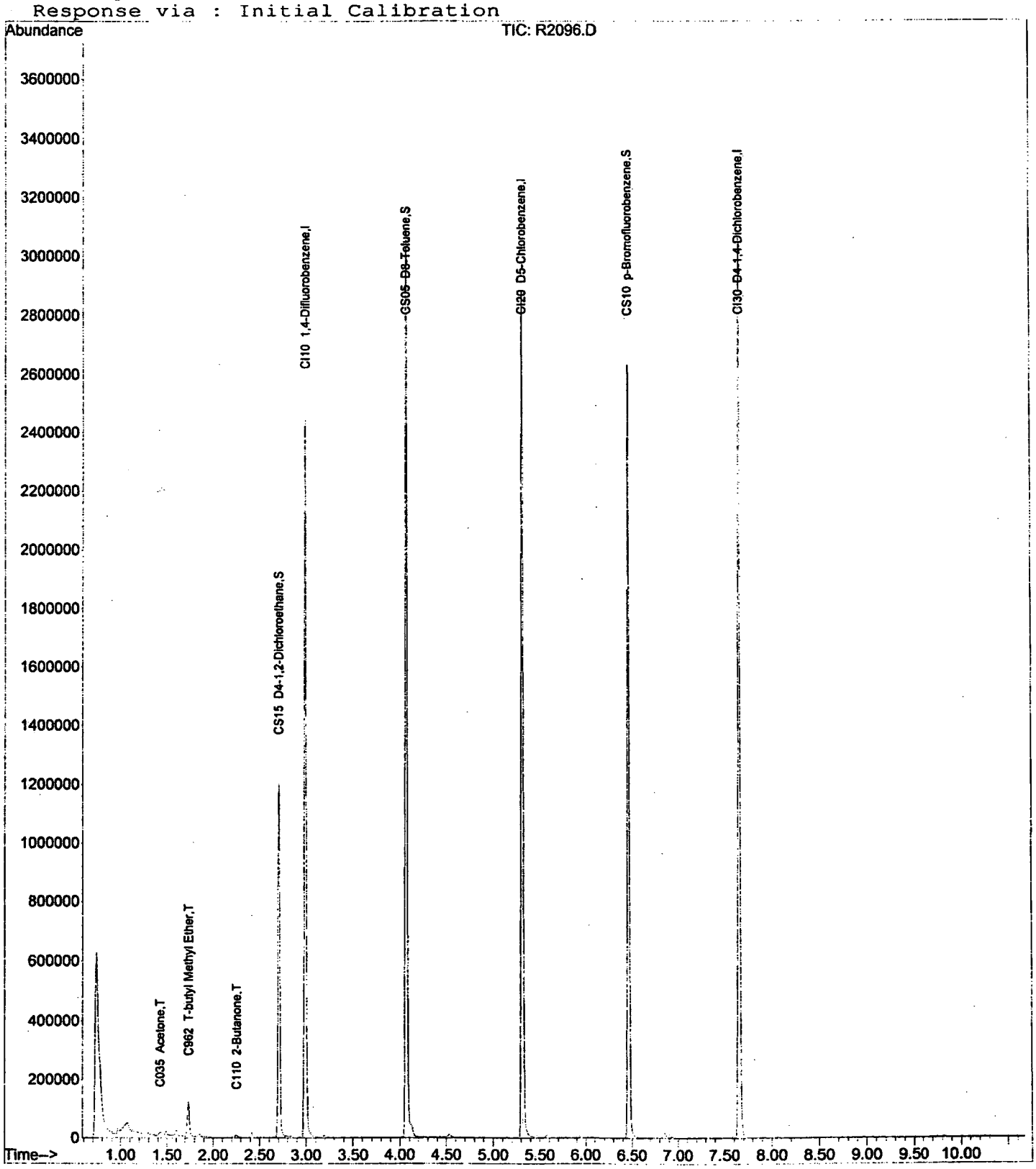
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2096.D
Acq On : 17 Oct 2003 00:32
Sample : A3998104 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:23 2003

Vial: 32
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Fri Oct 17 10:34:16 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

TBSW101403

Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2098.RR

Level: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

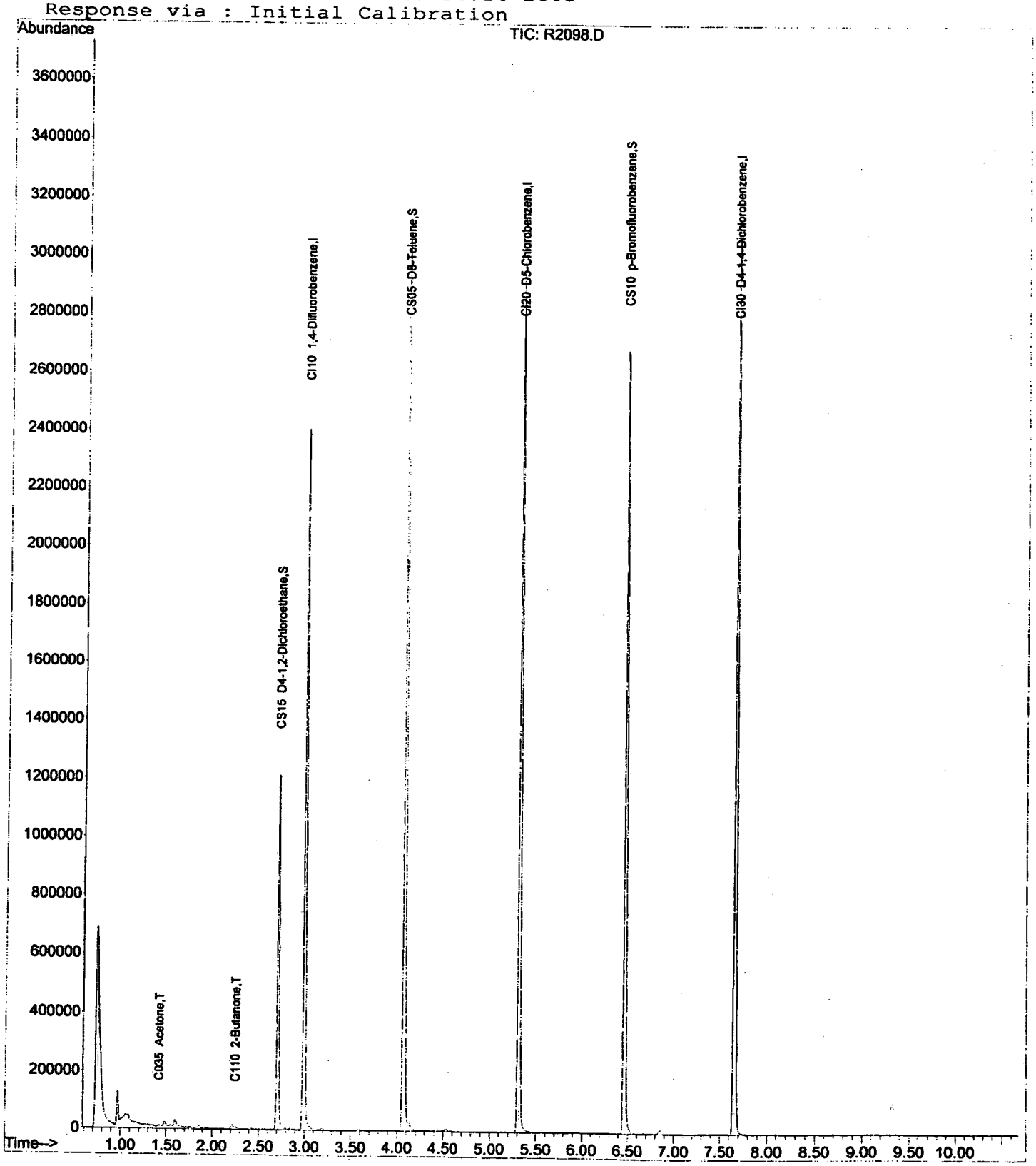
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2098.D
Acq On : 17 Oct 2003 1:02
Sample : A3998106 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 11:24 2003

Vial: 34
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Fri Oct 17 10:34:16 2003
Response via : Initial Calibration



STANDARDS

KIN-BUC LANDFILL
VOLATILE 624
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001348-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003SW

Intrument ID: HP5973R Calibration Dates(s): 10/16/2003 10/16/2003

Heated Purge (Y/N): N Calibration Times: 15:24 18:20

GC Column: DB-624 ID: 0.18(mm)

Lab File ID: RRF5 = R2073.RR RRF50 = R2070.RR
RRF100 = R2071.RR RRF0 RRF0

COMPOUND	RRF5	RRF50	RRF100	RRF0	RRF0	AVG RRF	% RSD
Chloromethane	0.402	0.284	0.380			0.3560	17.600
Bromomethane	0.087	0.051	0.057			0.0650	29.100
Vinyl chloride	0.391	0.349	0.398			0.3790	7.000
Chloroethane	0.049	0.031	0.040			0.0400	22.400
Methylene chloride	0.465	0.355	0.347			0.3890	16.900
1,1-Dichloroethene	0.298	0.270	0.266			0.2780	6.300
1,1-Dichloroethane	0.628	0.597	0.695			0.6400	7.800
1,2-Dichloroethene (Total)	0.386	0.325	0.341			0.3510	9.200
Chloroform	0.878	0.794	0.846			0.8390	5.100
1,2-Dichloroethane	0.711	0.703	0.699			0.7040	0.900
1,1,1-Trichloroethane	0.727	0.751	0.761			0.7460	2.300
Carbon Tetrachloride	0.528	0.542	0.555			0.5420	2.500
Dichlorobromomethane	0.587	0.640	0.666			0.6310	6.4
1,2-Dichloropropane	0.402	0.367	0.388			0.3850	4.5
cis-1,3-Dichloropropene	0.675	0.699	0.742			0.7050	4.800
Trichloroethene	0.413	0.381	0.398			0.3980	4.000
Dibromochloromethane	0.341	0.376	0.400			0.3720	8.000
1,1,2-Trichloroethane	0.357	0.348	0.356			0.3540	1.400
Benzene	1.719	1.550	1.617			1.6290	5.200
trans-1,3-Dichloropropene	0.724	0.778	0.825			0.7750	6.600
Bromoform	0.229	0.277	0.303			0.2700	14.000
Tetrachloroethene	0.391	0.337	0.350			0.3590	7.800
1,1,2,2-Tetrachloroethane	0.976	0.933	0.978			0.9620	2.600
Toluene	1.107	0.994	1.041			1.0470	5.400
Chlorobenzene	1.086	0.976	1.031			1.0310	5.400
Ethylbenzene	2.109	2.026	2.151			2.0950	3.000
2-Chloroethylvinyl ether	0.250	0.238	0.244			0.2440	2.300
Acrolein	0.031	0.024	0.023			0.0260	16.500
Acrylonitrile	0.088	0.085	0.083			0.0850	3.000
Toluene-D8	1.383	1.417	1.398			1.4000	1.200
p-Bromofluorobenzene	1.216	1.262	1.275			1.2510	2.500
1,2-Dichloroethane-D4	0.472	0.567	0.493			0.5110	9.800

Comments:

RAW QC DATA

KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: VBLK83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2078.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

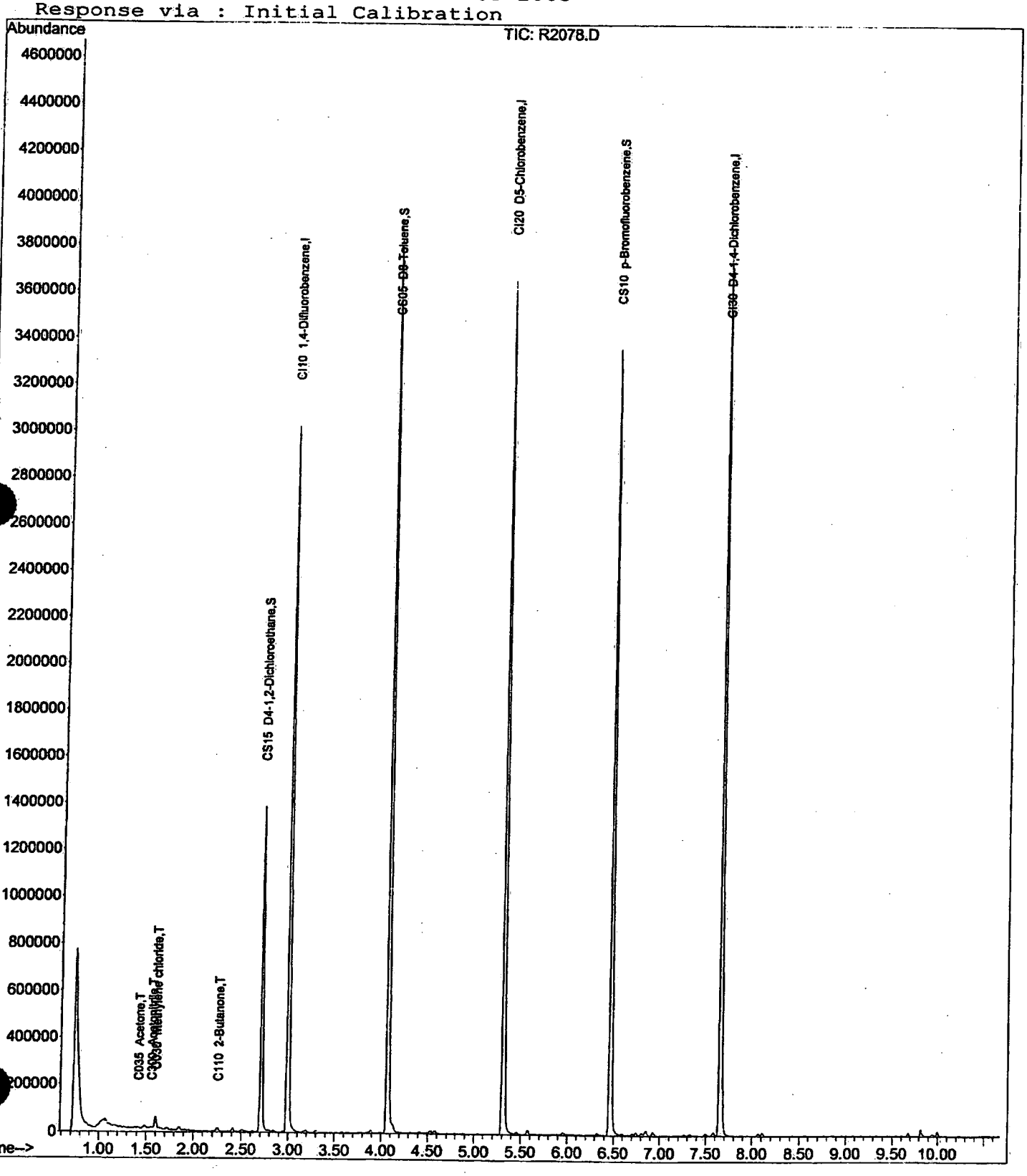
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\R\101603\R2078.D
Acq On : 16 Oct 2003 19:59
Sample : VBLK83 E1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:07 2003

Vial: 14
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK84

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998109

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2079.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/16/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

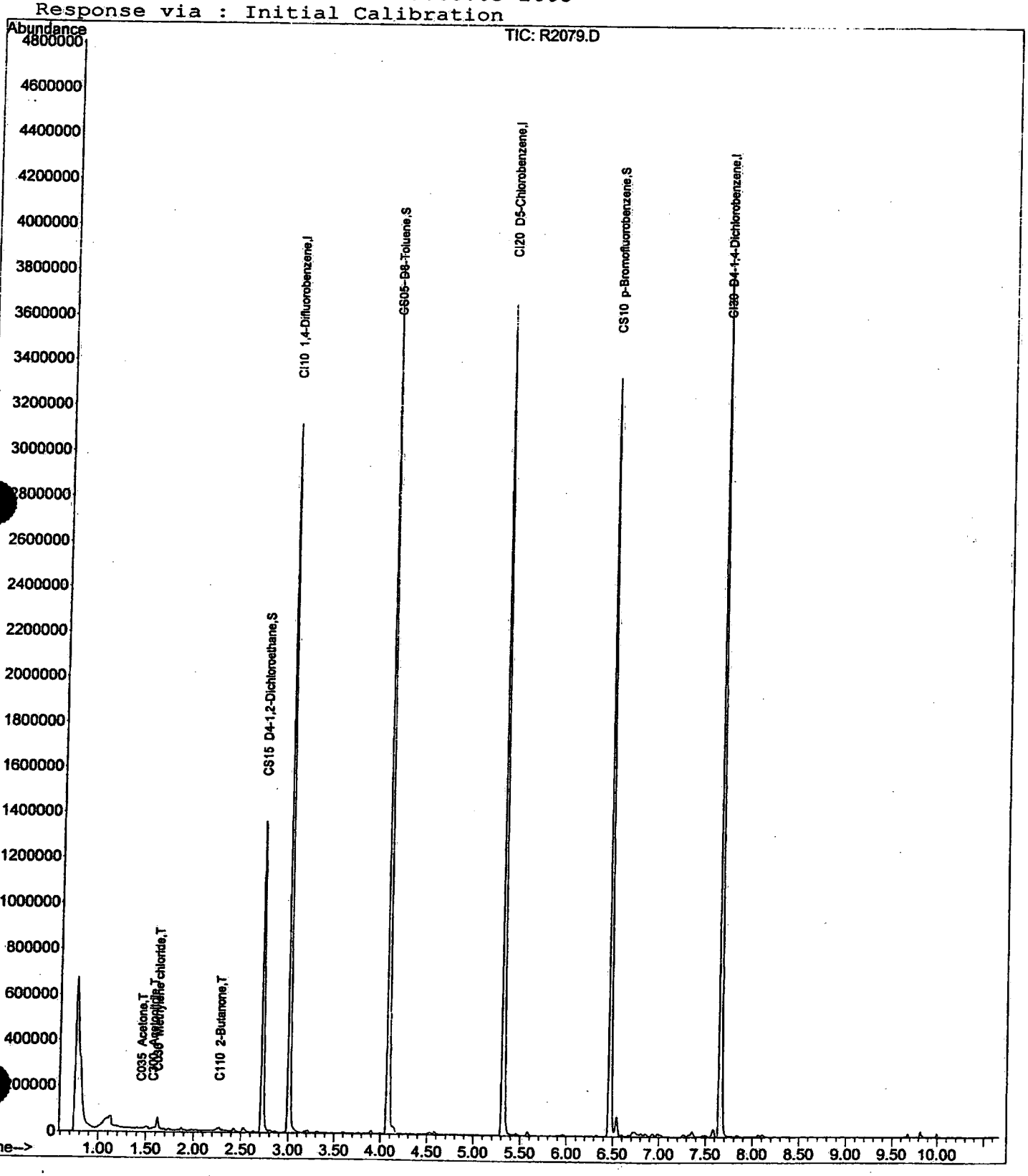
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	400	U
107-13-1	Acrylonitrile	400	U
71-43-2	Benzene	4	U
75-27-4	Dichlorobromomethane	2	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	10	U
56-23-5	Carbon Tetrachloride	3	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	10	U
110-75-8	2-Chloroethylvinyl ether	15	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	3	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	3	U
540-59-0	1,2-Dichloroethene (Total)	5	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	7	U
75-09-2	Methylene chloride	4	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	4	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	4	U
79-00-5	1,1,2-Trichloroethane	5	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	10	U

Data File : H:\GCMS_VOA\R\101603\R2079.D
Acq On : 16 Oct 2003 20:15
Sample : VBLK84 E2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 8:57 2003

Vial: 15
Operator: DGP
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Thu Oct 16 19:08:03 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 624 - PRIORITY POLLUTANT VOLATILES
ANALYSIS DATA SHEET

Client No.: MSB83

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: R2111.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/17/2003

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

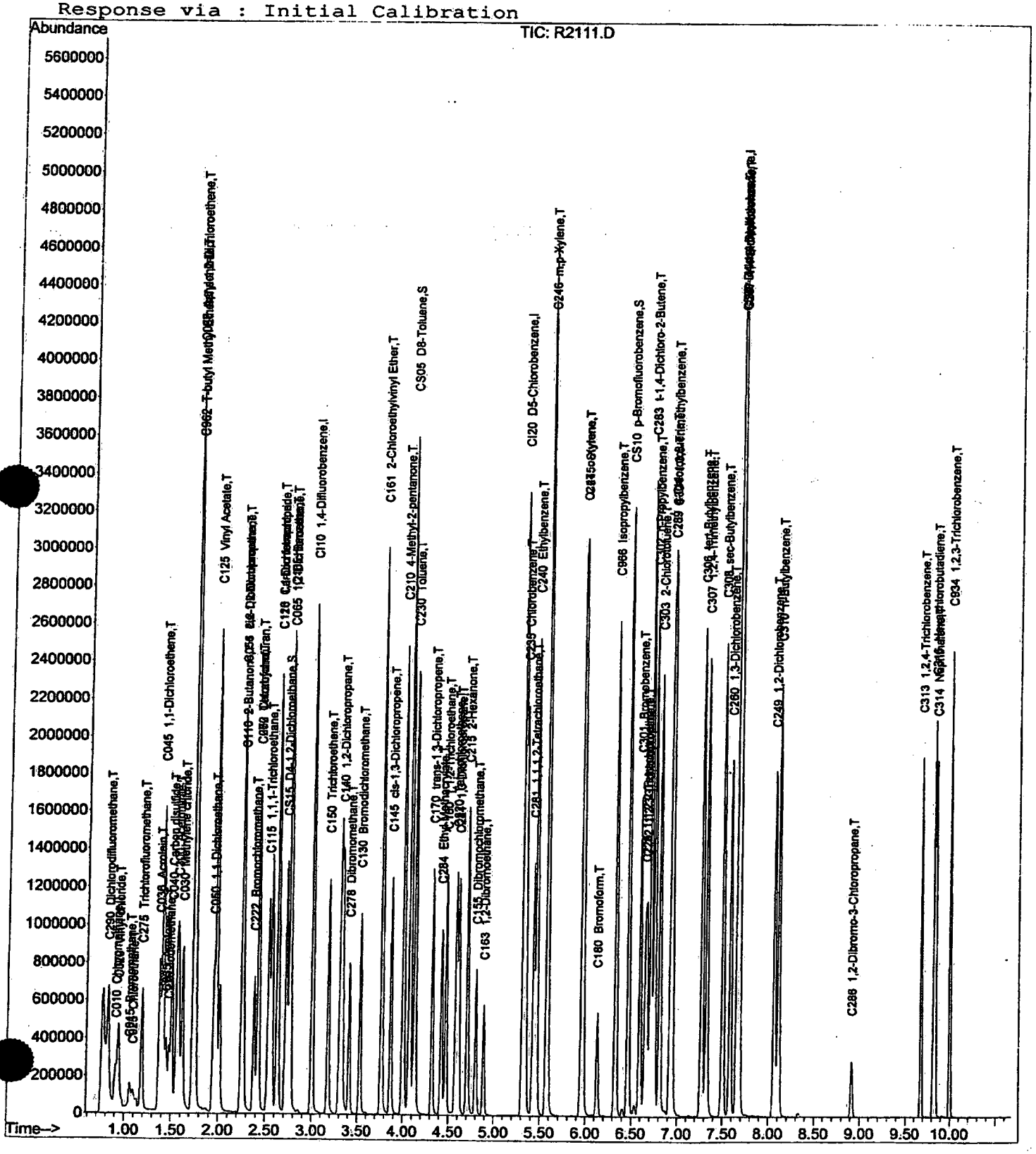
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-02-8	Acrolein	480	
107-13-1	Acrylonitrile	420	
71-43-2	Benzene	18	
75-27-4	Dichlorobromomethane	19	
75-25-2	Bromoform	17	
74-83-9	Bromomethane	21	
56-23-5	Carbon Tetrachloride	19	
108-90-7	Chlorobenzene	18	
75-00-3	Chloroethane	23	
110-75-8	2-Chloroethylvinyl ether	91	
67-66-3	Chloroform	17	
74-87-3	Chloromethane	19	
124-48-1	Dibromochloromethane	18	
75-34-3	1,1-Dichloroethane	19	
107-06-2	1,2-Dichloroethane	20	
75-35-4	1,1-Dichloroethene	20	
540-59-0	1,2-Dichloroethene (Total)	38	
78-87-5	1,2-Dichloropropane	18	
10061-01-5	cis-1,3-Dichloropropene	18	
10061-02-6	trans-1,3-Dichloropropene	18	
100-41-4	Ethylbenzene	18	
75-09-2	Methylene chloride	19	
79-34-5	1,1,2,2-Tetrachloroethane	18	
127-18-4	Tetrachloroethene	18	
108-88-3	Toluene	18	
71-55-6	1,1,1-Trichloroethane	16	
79-00-5	1,1,2-Trichloroethane	18	
79-01-6	Trichloroethene	18	
75-01-4	Vinyl chloride	21	

Data File : H:\GCMS_VOA\R\101603\R2111.D
Acq On : 17 Oct 2003 10:14
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 10:33 2003

Vial: 47
Operator: PC
Inst : HP5973R
Multiplr: 1.00

Quant Results File: R624.RES

Method : C:\MSDCHEM\1\METHODS\R624.M (RTE Integrator)
Title : 624 WATER
Last Update : Fri Oct 17 10:34:16 2003
Response via : Initial Calibration



GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID		JOB #	INJ. VOL.	EXT. WHT.	D.F.	SYR. #	STANDARD MIX #	I.S. / SS MIX #	I.S. #1 % REC.
9/9/03	1906	JL	R2040	A3854601 SD A		8546	5 ml	—	1	—	WS3H-1	ISTIK/10 µm	104
9/10/03		JL	R2041	0910 BFBR 1		—	5 ml	—	—	—	WS1E-2	ISS1	
10/16/03	1524	@	R2066	C1016 BPBR1		ICAL	1 µl	—	—	—	WS1F-1		
	1549		R2067	VSTD005	E1		5 ml				WS2CR-1, WS6M-1, WS7L-5, WS13AG-1	ISTIK/ISTIK	
	1602		R2068	VSTD005	E2								
	1624		R2069	050	E1								
	1636		R2070	050	E2								
	1651		R2071	100	E1								
	1706		R2072	100	E2								
	1720		R2073	005	E1								
	1857		R2074	ADD050	E1	QC					WS53-2		
	1914		R2075	ADD050	E2						1		
	1929		R2076	LCS (NG)	E1						WS19K-4, WS2CR-1, WS6M-1		
	1944		R2077	LCSD (NG)	E2						1		
	1959		R2078	VBLK83	E1								
	2015		R2079	VBLK84	E2								
	2030		R2080	A3990002	E1	9900			20				
	2045		R2081	A39945 01	E2	9945			1				
	2100		R2082	02 comp	E1	1			1				
	2115		R2083	A39947 01	E2	9947			10				
	2130		R2084	A39951 01	E1	9951			1				
	—		R2085	A39953 02	E2	9953			10				
	—		R2086	A39978 01	E1	9978			10				
	2216		R2087	02	E2				10				
	2231		R2088	03	E1				5				
	2246		R2089	03ms	E2				5		WS19K-4, WS2CR-1, WS6M-1		
	2301		R2090	03SD	E1				5		1		
	2316		R2091	04	E2				1				

SEVERN TRENT LABORATORIES, INC.

000048

Reviewed By JL NO. _____ Page

10/17/03

138/439

GCMS VOLATILE INJECTION LOG

S. / SS MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH	COMMENTS
SIIK/10 µm		104	107	102	101	99	92			52	
1551											
											Pass
[illegible]											624 Sul Initial (A3I 1348)
											624 AM Sul
					98	99	100			—	
					95	99	100			—	
					92	99	103			—	
					96	99	101			—	
					96	98	103			50	
					100	99	101				
					100	98	105				
					102	98	98				foam
					93	101	103				
											foam didn't shut
										~7	
					110	98	105			~5	
					108	98	102			52	
					111	100	101				
					106	99	100				
					104	100	104				

Date 10/17/03

000049

NO. _____

Page 2

GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID	JOB #	INJ. VOL.	EXT. WHT.	D.F.	SYR. #	STANDARD MIX #	I.S. / SS M	REC.
10/16/03	2332	DGD	R2092	A3997805 E1	9978	5ml					[illegible]	
	2347		R2093	A39981 01 E2	9981							
10/17/03	0002		R2094	02 E1								
	0017		R2095	03 E2								
	0032		R2096	04 E1								
	0047		R2097	05 E2								
	0102		R2098	06 E1								
	0117		R2099	A39995 01 E2	9995							
	0132		R2100	02 E1								
	0200		R2101 ×	~~03~~ 04 E2								
	0228		R2102	~~04~~ 05FD E1								
	0256		R2103	~~05~~ 07 E2								
	0324		R2104	~~05FD~~ 09 E1								
			R2105	06 E2								
			R2106	07 E1								
			R2107	08 E2								
			R2108	09 E1								
			R2109	10 E2								
10/17/03	0957	[illegible]	R2110	LCS	—					WSGM-2, WS19K-4, WS20P-1		
	1014		R2111	LCS ok	—							
	1114		R2112	A3999503 B	9995			1				
	1131		R2113	05 A				1				
	1146		R2114	06 A				1				
	1201		R2115	08 A				1				
	1216		R2116	10 A				1				
	1231		R2117	A3A00701 A	A007			5				
	1248		R2118	02 A				2				
	1308		R2119	03 A				5				
	1325		R2120	04 A				1				

SEVERN TRENT LABORATORIES, INC.

000050

Reviewed By [illegible]

NO.

GCMS VOLATILE INJECTION LOG

SS MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH	COMMENTS
					105	100	106			5.2	
					110	99	104				
					106	99	105				
					109	100	102				
					108	97	104				
					110	100	104				
					110	97	106				
					110	99	104				
					111	99	105				
					110	99	103				
					111	100	106				
					112	100	105				
					111	99	105				
											Not shot on 10/17/03 Continuing Error
					111	99	98				
					113	102	102				
					103	96	105			5.2	
					111	99	103				
					107	96	104				
					109	98	103				
					110	100	107				
					112	104	103				From LCP
					118	109	108				
					121	(112)	106		↓		↓ Same
					121	(111)	110		↓		↓

Page ___ Date 10/7/03

0000519

NO. _____ Page 2

SEMIVOLATILES DATA

QC SUMMARY

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

	Client Sample ID	2FP %REC	#	FBP %REC	#	NBZ %REC	#	PHL %REC	#	TBP %REC	#	TPH %REC	#					TOT OUT
1	FBSW101403	40		90		76		25		67		100						0
2	Matrix Spike Blank	38		85		70		27		84		96						0
3	S Blank	40		81		71		27		66		94						0
4	SW-01	41		91		76		26		67		83						0
5	SW-02	41		90		77		27		72		89						0
6	SW-03	38		94		80		24		74		84						0
7	SW-04	42		89		76		28		70		81						0

			QC LIMITS
2FP	=	2-Fluorophenol	(16-120)
FBP	=	2-Fluorobiphenyl	(46-120)
NBZ	=	Nitrobenzene-D5	(37-120)
PHL	=	Phenol-D5	(10-110)
TBP	=	2,4,6-Tribromophenol	(45-136)
TPH	=	p-Terphenyl-d14	(41-134)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Acenaphthene	50.0	38.1	76		47 - 120
Acenaphthylene	50.0	39.0	78		35 - 129
Anthracene	50.0	40.8	82		49 - 133
Benzidine	50.0	16.6	33		1 - 120
Benzo(a)anthracene	50.0	48.1	96		50 - 143
Benzo(b)fluoranthene	50.0	48.4	97		59 - 138
Benzo(k)fluoranthene	50.0	44.6	89		50 - 143
Benzo(ghi)perylene	50.0	51.1	102		44 - 153
Benzo(a)pyrene	50.0	48.2	96		57 - 140
Bis(2-chloroethoxy) m(1)	50.0	37.0	74		40 - 120
Bis(2-chloroethyl) ether	50.0	32.5	65		35 - 120
2,2'-Oxybis(1-Chlorop(2)	50.0	30.9	62		33 - 120
Bis(2-ethylhexyl) pht(3)	50.0	45.9	92		49 - 158
4-Bromophenyl phenyl (4)	50.0	38.2	76		53 - 127
Butyl benzyl phthalate	50.0	45.2	90		47 - 147
[illegible]l, p-Chloro-m-	50.0	43.0	86		45 - 138
2-Chloronaphthalene	50.0	31.6	63		60 - 120
2-Chlorophenol	50.0	31.4	63		31 - 120
4-Chlorophenyl phenyl(5)	50.0	42.0	84		43 - 126
Chrysene	50.0	43.5	87		55 - 146
Dibenzo(a,h)anthracene	50.0	49.3	99		45 - 153
1,3-Dichlorobenzene	50.0	13.2	26		11 - 120
1,2-Dichlorobenzene	50.0	16.0	32		32 - 120
1,4-Dichlorobenzene	50.0	14.5	29		20 - 120
3,3'-Dichlorobenzidine	50.0	52.7	105		35 - 143
2,4-Dichlorophenol	50.0	39.4	79		43 - 123
Diethyl phthalate	50.0	48.2	96		44 - 120
2,4-Dimethylphenol	50.0	41.1	82		42 - 120
Dimethyl phthalate	50.0	47.2	94		54 - 120
Cresol, 4,6-Dinitro-O(6)	50.0	39.4	79		32 - 156
1,2-Diphenylhydrazine	50.0	42.5	85		47 - 146
2,4-Dinitrophenol	50.0	33.0	66		16 - 127
2,4-Dinitrotoluene	50.0	48.8	98		51 - 139
2,6-Dinitrotoluene	50.0	46.2	92		55 - 144
Di-n-butyl phthalate	50.0	41.8	82		53 - 120
Di-n-octyl phthalate	50.0	46.3	93		56 - 146
Fluoranthene	50.0	42.1	84		46 - 137
Fluorene	50.0	44.2	88		59 - 121
Hexachlorobenzene	50.0	39.3	79		54 - 133
Hexachlorobutadiene	50.0	10.8	22	*	24 - 120
H[illegible]chlorocyclopentad(7)	50.0	12.5	25		5 - 120
H[illegible]chloroethane	50.0	9.18	18	*	40 - 113
Indeno(1,2,3-cd)pyrene	50.0	51.1	102		50 - 147
Isophorone	50.0	36.7	73		34 - 120
Naphthalene	50.0	27.5	55		27 - 120

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
WATER MATRIX SPIKE BLANK RECOVERY

b Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182602

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix Spike - Client Sample No.: S Blank

OMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC	#	QC LIMITS REC.
Nitrobenzene	50.0	33.9	68		35 - 120
2-Nitrophenol	50.0	36.2	72		34 - 123
4-Nitrophenol	50.0	20.1	40		22 - 120
N-Nitrosodimethylamine	50.0	22.9	46		19 - 120
N-Nitroso-Di-n-propyl(8)	50.0	36.2	72		40 - 120
N-nitrosodiphenylamine	50.0	31.7	63		54 - 125
Pentachlorophenol	50.0	35.9	72		37 - 147
Phenanthrene	50.0	41.2	82		56 - 120
Phenol	50.0	14.9	30		12 - 120
Pyrene	50.0	51.6	103		52 - 120
1,2,4-Trichlorobenzene	50.0	18.3	37	*	44 - 120
2,4,6-Trichlorophenol	50.0	44.0	88		48 - 136

1) Bis(2-chloroethoxy) methane
2) 2,2'-Oxybis(1-Chloropropane)
3) Bis(2-ethylhexyl) phthalate
4) 4-Bromophenyl phenyl ether
5) 4-Chlorophenyl phenyl ether
6) 4,6-Dinitro-2-methylphenol
7) Hexachlorocyclopentadiene
8) N-Nitroso-Di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

Values outside of QC limits

pike recovery: 3 out of 57 outside limits

omments: _____

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
METHOD BLANK SUMMARY

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID: X57984.RR Lab Sample ID: A3B1182602

Instrument ID: I50X-A Date Extracted: 10/17/2003

Matrix: (soil/water) WATER Date Analyzed: 10/18/2003

Level: (low/med) LOW Time Analyzed: 11:46

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	FBSW101403	A3998105	X58000.RR	10/18/2003
2	Matrix Spike Blank	A3B1182601	X57983.RR	10/18/2003
3	SW-01	A3998101	X57996.RR	10/18/2003
4	SW-02	A3998102	X57997.RR	10/18/2003
5	SW-03	A3998103	X57998.RR	10/18/2003
6	SW-04	A3998104	X57999.RR	10/18/2003

Comments: _____

WASTE MANAGEMENT - CLOSED SITES
KIN-BUC
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL Buffalo Contract: _____ Tune ID: A3T000259

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID: X57977 DFTPP Injection Date: 10/18/2003

Instrument ID: I50X-A DFTPP Injection Time: 08:01

m/e	ION Abundance Criteria	% Relative Abundance		
51	30.0 - 60.0% of mass 198	36.8		
68	Less than 2.0% of mass 69	0.4	(0.8)	1
69	Present	48.2		
70	Less than 2.0% of mass 69	0.0	(0.0)	1
127	40.0 - 60.0% of mass 198	46.7		
197	Less than 1.0% of mass 198	0.0		
198	Base peak, 100% relative abundance	100.0		
199	5.0 - 9.0% of mass 198	6.5		
275	10.0 - 30.0% of mass 198	23.5		
365	Greater than 1.00% of mass 198	2.2		
441	Present, but less than mass 443	9.4		
442	40.0 - 110.0% of mass 198	79.7		
443	17.0 - 23.0% of mass 442	15.3	(19.2)	2

1-Value is % mass 69 2-Value is % mass 442

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD020	A3I0001355-1	X57978.RR	10/18/2003	08:24
2	SSTD080	A3I0001355-1	X57979.RR	10/18/2003	08:57
3	SSTD160	A3I0001355-1	X57980.RR	10/18/2003	09:31
4	Matrix Spike Blank	A3B1182601	X57983.RR	10/18/2003	11:12
5	S Blank	A3B1182602	X57984.RR	10/18/2003	11:46
6	SW-01	A3998101	X57996.RR	10/18/2003	18:29
7	SW-02	A3998102	X57997.RR	10/18/2003	19:03
8	SW-03	A3998103	X57998.RR	10/18/2003	19:36
9	SW-04	A3998104	X57999.RR	10/18/2003	20:10
10	FBSW101403	A3998105	X58000.RR	10/18/2003	20:43

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001355

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID (Standard): X57979.RR Date Analyzed: 10/18/2003

Instrument ID: I50X-A Time Analyzed: 08:24

		IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	632230		14.71		932040		21.38		276492		7.71	
	UPPER LIMIT	1264460		15.21		1864080		21.88		552984		8.21	
	LOWER LIMIT	316115		14.21		466020		20.88		138246		7.21	
	CLIENT SAMPLE												
1	FBSW101403	566690		14.71		839688		21.37		284607		7.71	
2	Matrix Spike Blank	492204		14.71		691920		21.37		238146		7.71	
3	S Blank	518340		14.71		812543		21.36		243642		7.71	
4	SW-01	498658		14.71		755067		21.37		255987		7.71	
5	SW-02	565851		14.71		839256		21.37		284242		7.71	
6	SW-03	536012		14.71		794741		21.37		264212		7.71	
7	SW-04	541084		14.71		839971		21.37		266644		7.71	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A3I0001355

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab File ID (Standard): X57979.RR Date Analyzed: 10/18/2003

Instrument ID: I50X-A Time Analyzed: 08:24

		IS4 (NPT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1085065		10.59		934915		17.46		774689		23.82	
	UPPER LIMIT	2170130		11.09		1869830		17.96		1549378		24.32	
	LOWER LIMIT	542533		10.09		467458		16.96		387345		23.32	
	CLIENT SAMPLE												
1	FBSW101403	1071078		10.59		965975		17.46		733081		23.82	
2	Matrix Spike Blank	917451		10.59		814579		17.46		626075		23.81	
3	S Blank	927353		10.59		873305		17.45		667688		23.81	
4	SW-01	933033		10.59		861714		17.46		695376		23.81	
5	SW-02	1041707		10.59		966518		17.46		751595		23.82	
6	SW-03	973033		10.59		905254		17.46		724339		23.81	
7	SW-04	998710		10.59		932794		17.46		741167		23.82	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

SAMPLE DATA

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FBSW101403

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

ıtrix: (soil/water) WATER Lab Sample ID: A3998105

ımple wt/vol: 1040.0 (g/mL) ML Lab File ID: X58000.RR

:vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ıncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

ıjection Volume: 2.00 (uL) Dilution Factor: 1.00

?C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.9	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.4	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.2	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.7	U
85-68-7	Butyl benzyl phthalate	4.3	U
59-50-7	Cresol, p-Chloro-m-	3.6	U
91-58-7	2-Chloronaphthalene	5.2	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.6	U
218-01-9	Chrysene	6.3	U
53-70-3	Dibenzo(a,h)anthracene	5.8	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.8	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.7	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

FBSW101403

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3998105

mple wt/vol: 1040.0 (g/mL) ML Lab File ID: X58000.RR

vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

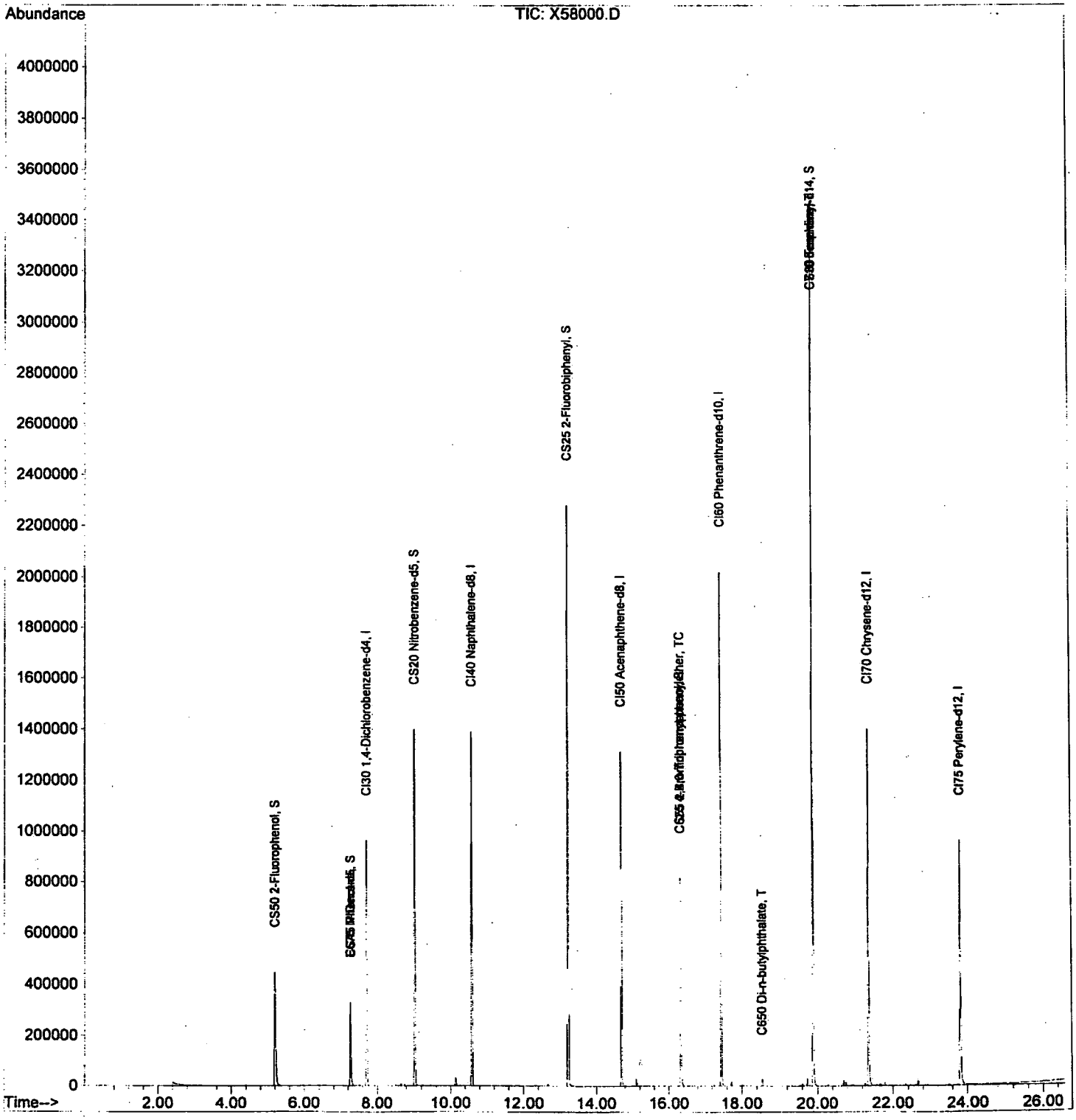
C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.2	U
606-20-2	2,6-Dinitrotoluene	5.6	U
84-74-2	Di-n-butyl phthalate	7.7	U
117-84-0	Di-n-octyl phthalate	5.3	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.7	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	8.0	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.7	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.1	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.6	U
86-30-6	N-nitrosodiphenylamine	5.9	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.3	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.8	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X58000.D Vial: 24
Acq On : 18 Oct 2003 20:43 Operator:
Sample : A3998105 AW30014144 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:39 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-01

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3998101

mple wt/vol: 1055.0 (g/mL) ML Lab File ID: X57996.RR

vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.8	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.0	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.3	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.2	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: SW-01

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3998101

mple wt/vol: 1055.0 (g/mL) ML Lab File ID: X57996.RR

vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.5	U
86-73-7	Fluorene	6.8	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.8	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.3	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

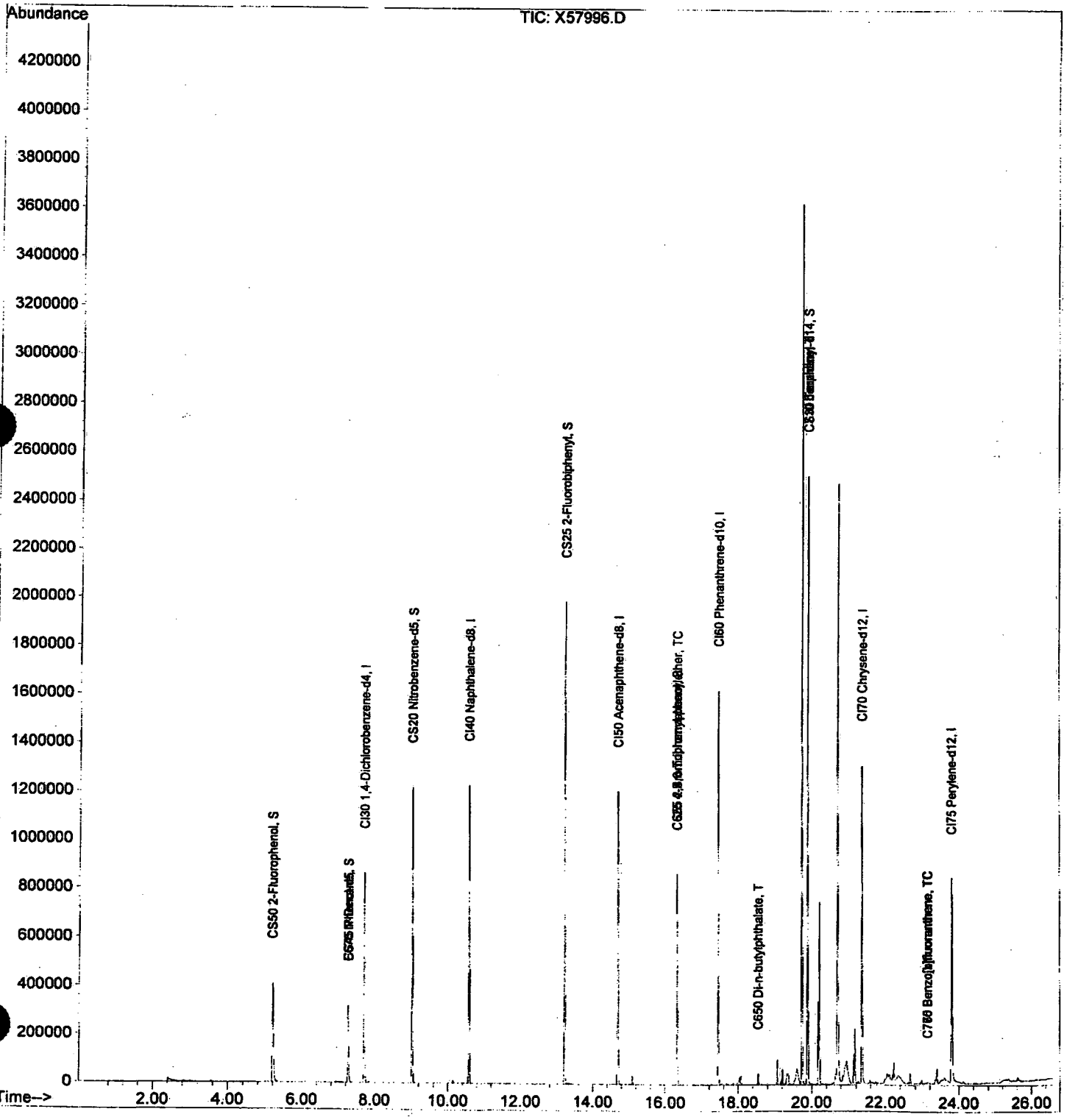
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57996.D
Acq On : 18 Oct 2003 18:29
Sample : A3998101 AW30014140
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 20 6:37 2003

Vial: 20
Operator:
Inst : I50X-A
Multiplr: 1.00

Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.: SW-02

b Name: STL Buffalo Contract: _____

ıb Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

ıtrix: (soil/water) WATER Lab Sample ID: A3998102

ımple wt/vol: 1055.0 (g/mL) ML Lab File ID: X57997.RR

:vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ɔncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

ıjection Volume: 2.00 (uL) Dilution Factor: 1.00

ɔC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.8	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.0	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.3	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.2	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-02

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix: (soil/water) WATER Lab Sample ID: A3998102

ample wt/vol: 1055.0 (g/mL) ML Lab File ID: X57997.RR

evel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

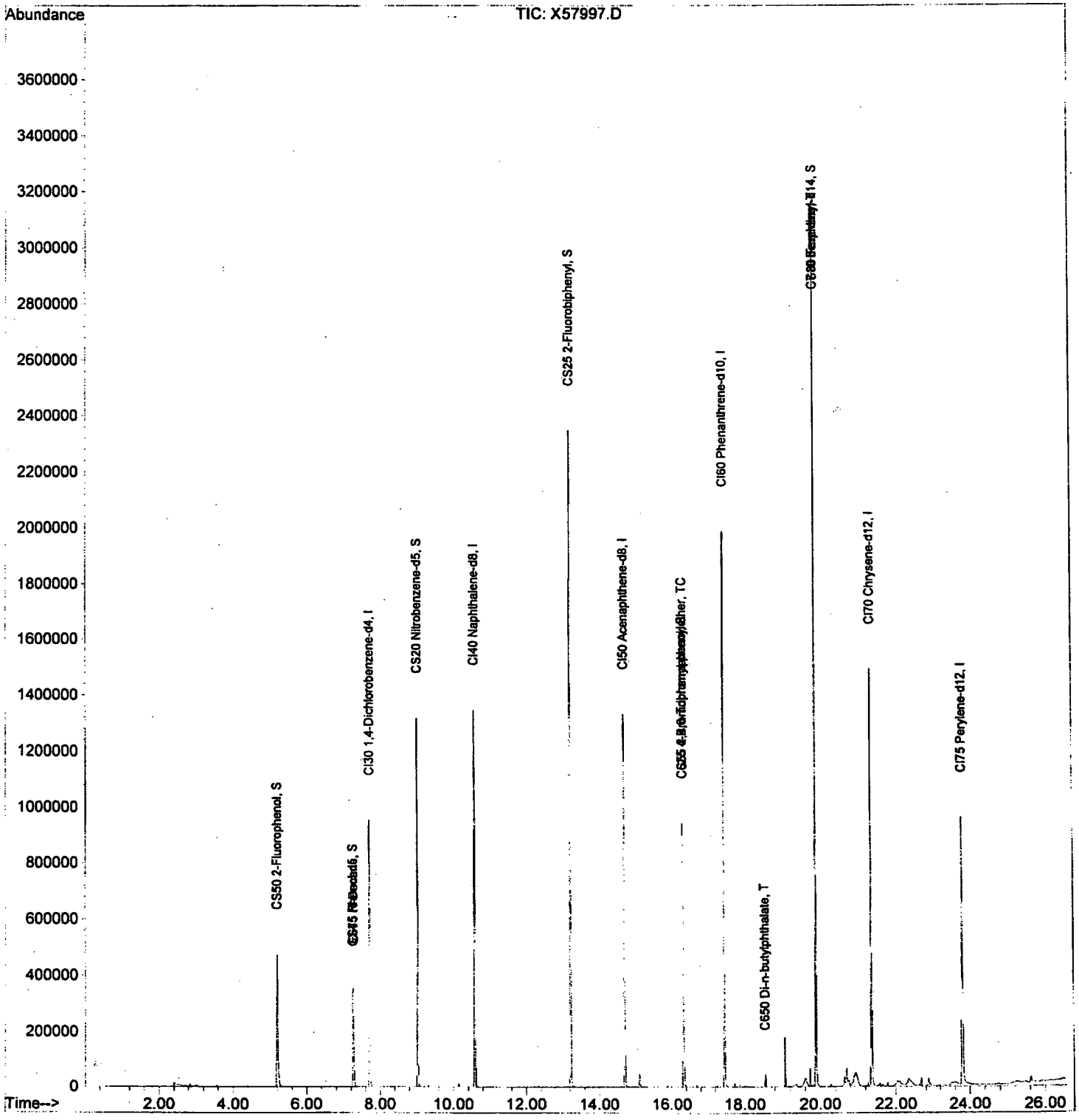
PC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.5	U
86-73-7	Fluorene	6.8	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.8	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.3	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57997.D Vial: 21
Acq On : 18 Oct 2003 19:03 Operator:
Sample : A3998102 AW30014141 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:38 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-03

ɔ Name: STL Buffalo Contract: _____

ɔ Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3998103

mple wt/vol: 1050.0 (g/mL) ML Lab File ID: X57998.RR

vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.8	U
208-96-8	Acenaphthylene	4.9	U
120-12-7	Anthracene	6.3	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.3	U
207-08-9	Benzo(k)fluoranthene	9.1	U
191-24-2	Benzo(ghi)perylene	4.4	U
50-32-8	Benzo(a)pyrene	6.4	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	4.9	U
101-55-3	4-Bromophenyl phenyl ether	5.6	U
85-68-7	Butyl benzyl phthalate	4.2	U
59-50-7	Cresol, p-Chloro-m-	3.5	U
91-58-7	2-Chloronaphthalene	5.1	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.5	U
218-01-9	Chrysene	6.2	U
53-70-3	Dibenzo(a,h)anthracene	5.7	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.1	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.2	U
84-66-2	Diethyl phthalate	6.3	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.7	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.6	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.
SW-03

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3998103

mple wt/vol: 1050.0 (g/mL) ML Lab File ID: X57998.RR

vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.1	U
606-20-2	2,6-Dinitrotoluene	5.5	U
84-74-2	Di-n-butyl phthalate	7.6	U
117-84-0	Di-n-octyl phthalate	5.2	U
206-44-0	Fluoranthene	7.6	U
86-73-7	Fluorene	6.9	U
118-74-1	Hexachlorobenzene	6.6	U
87-68-3	Hexachlorobutadiene	2.7	U
77-47-4	Hexachlorocyclopentadiene	7.9	U
67-72-1	Hexachloroethane	2.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.6	U
78-59-1	Isophorone	3.5	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.0	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.5	U
86-30-6	N-nitrosodiphenylamine	5.8	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.2	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.1	U

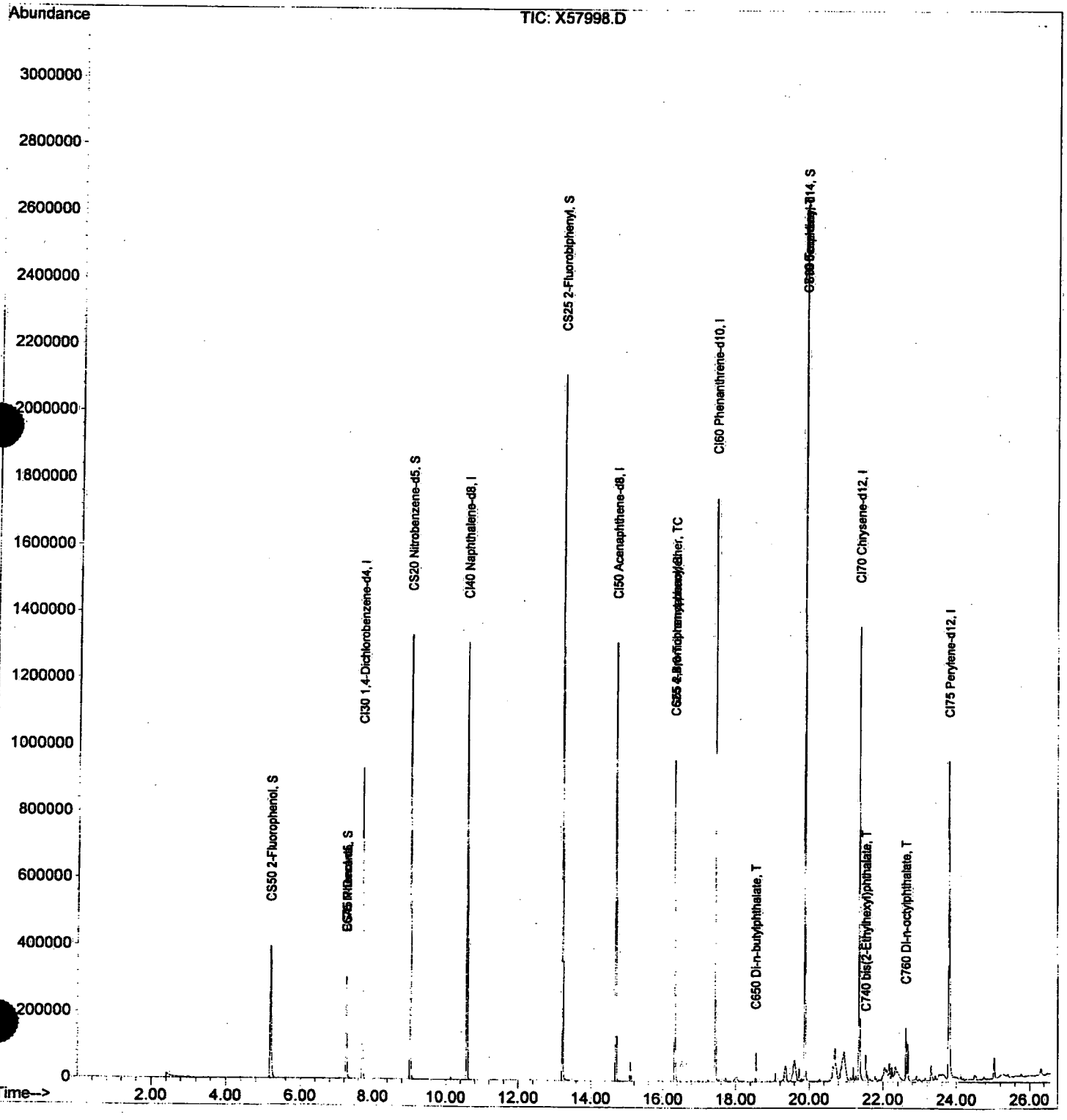
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57998.D
Acq On : 18 Oct 2003 19:36
Sample : A3998103 AW30014142
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 20 6:38 2003

Vial: 22
Operator:
Inst : I50X-A
Multiplr: 1.00

Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-04

ɔ Name: STL Buffalo Contract: _____

ɔ Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3998104

mple wt/vol: 1030.0 (g/mL) ML Lab File ID: X57999.RR

vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	4.9	U
208-96-8	Acenaphthylene	5.0	U
120-12-7	Anthracene	6.4	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.4	U
207-08-9	Benzo(k)fluoranthene	9.3	U
191-24-2	Benzo(ghi)perylene	4.5	U
50-32-8	Benzo(a)pyrene	6.5	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U
101-55-3	4-Bromophenyl phenyl ether	5.7	U
85-68-7	Butyl benzyl phthalate	4.3	U
59-50-7	Cresol, p-Chloro-m-	3.6	U
91-58-7	2-Chloronaphthalene	5.2	U
95-57-8	2-Chlorophenol	3.3	U
7005-72-3	4-Chlorophenyl phenyl ether	5.6	U
218-01-9	Chrysene	6.3	U
53-70-3	Dibenzo(a,h)anthracene	5.8	U
541-73-1	1,3-Dichlorobenzene	2.8	U
95-50-1	1,2-Dichlorobenzene	3.2	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.3	U
84-66-2	Diethyl phthalate	6.4	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	5.8	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.7	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

SW-04

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3998104

mple wt/vol: 1030.0 (g/mL) ML Lab File ID: X57999.RR

vel: (low/med) LOW Date Samp/Recv: 10/14/2003 10/15/2003

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

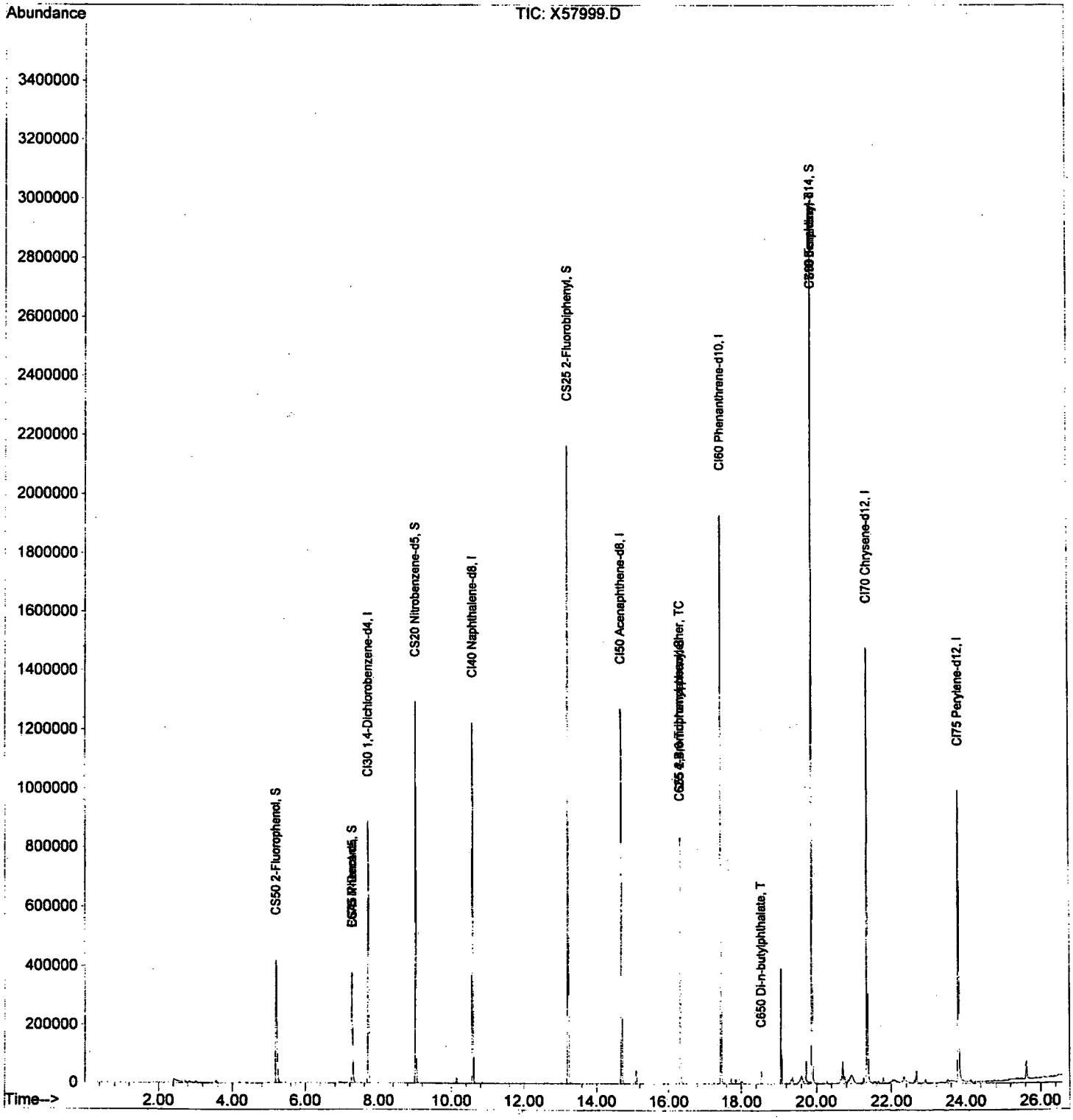
C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.3	U
606-20-2	2,6-Dinitrotoluene	5.6	U
84-74-2	Di-n-butyl phthalate	7.7	U
117-84-0	Di-n-octyl phthalate	5.3	U
206-44-0	Fluoranthene	7.7	U
86-73-7	Fluorene	7.0	U
118-74-1	Hexachlorobenzene	6.7	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.0	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.7	U
78-59-1	Isophorone	3.6	U
91-20-3	Naphthalene	3.4	U
98-95-3	Nitrobenzene	2.8	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.2	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.6	U
86-30-6	N-nitrosodiphenylamine	6.0	U
87-86-5	Pentachlorophenol	14	U
85-01-8	Phenanthrene	7.4	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	5.8	U
120-82-1	1,2,4-Trichlorobenzene	2.8	U
88-06-2	2,4,6-Trichlorophenol	5.2	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57999.D Vial: 23
Acq On : 18 Oct 2003 20:10 Operator:
Sample : A3998104 AW30014143 Inst : I50X-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:38 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



STANDARDS

KIN-BUC LANDFILL
SEMIVOLATILE 3RD EDITION
INITIAL CALIBRATION DATA

ab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001355-

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003SW

ntrument ID: I50X-A Calibration Dates(s): 10/18/2003 10/18/2003

Calibration Times: 08:24 09:31

Lab File ID: RRF20 = X57978.RR RRF80 = X57979.RR
RRF160 = X57980.RR RRF0 RRF0

COMPOUND		RRF20	RRF80	RRF160	RRF0	RRF0	AVG RRF	% RSD
Phenol	*	1.717	1.864	1.743			1.7740	4.400*
Bis(2-chloroethyl) ether	*	1.539	1.572	1.493			1.5350	2.600*
2-Chlorophenol	*	1.340	1.424	1.406			1.3900	3.200*
1,3-Dichlorobenzene	*	1.456	1.496	1.429			1.4600	2.300*
1,4-Dichlorobenzene	*	1.521	1.512	1.415			1.4830	4.000*
1,2-Dichlorobenzene	*	1.404	1.397	1.254			1.3520	6.300*
2,2'-Oxybis(1-Chloropropane	*	1.944	2.045	1.956			1.9820	2.800*
N-Nitroso-Di-n-propylamine	*	0.937	0.984	0.973			0.9650	2.600*
Hexachloroethane	*	0.576	0.592	0.583			0.5840	1.300*
Nitrobenzene	*	0.365	0.374	0.360			0.3660	1.900*
Isophorone	*	0.690	0.737	0.734			0.7200	3.600*
2-Nitrophenol	*	0.161	0.190	0.197			0.1820	10.500
2,4-Dimethylphenol	*	0.281	0.323	0.315			0.3060	7.300*
Bis(2-chloroethoxy) methane	*	0.447	0.465	0.435			0.4490	3.300*
2,4-Dichlorophenol	*	0.238	0.271	0.260			0.2560	6.400*
1,2,4-Trichlorobenzene	*	0.305	0.303	0.283			0.2970	4.000*
Naphthalene	*	1.055	0.995	0.906			0.9850	7.600*
Hexachlorobutadiene	*	0.156	0.152	0.141			0.1490	5.300*
Cresol, p-Chloro-m-	*	0.261	0.308	0.298			0.2890	8.500*
Hexachlorocyclopentadiene	*	0.102	0.180	0.195			0.1590	31.600*
2,4,6-Trichlorophenol	*	0.282	0.324	0.308			0.3050	7.000*
2-Chloronaphthalene	*	1.048	1.038	0.964			1.0170	4.500*
Dimethyl phthalate	*	1.253	1.196	1.106			1.1850	6.200*
Acenaphthylene	*	1.593	1.570	1.389			1.5170	7.400*
2,6-Dinitrotoluene	*	0.228	0.292	0.303			0.2740	14.700*
Acenaphthene	*	0.993	0.929	0.795			0.9060	11.200*
2,4-Dinitrophenol	*	0.023	0.084	0.143			0.0830	72.600*
4-Nitrophenol	*	0.055	0.124	0.142			0.1070	43.000*
2,4-Dinitrotoluene	*	0.301	0.394	0.391			0.3620	14.700*
Diethyl phthalate	*	1.349	1.271	1.026			1.2160	13.800*
4-Chlorophenyl phenyl ether	*	0.603	0.593	0.465			0.5540	13.800*
Fluorene	*	1.202	1.163	0.993			1.1190	10.000*
Cresol, 4,6-Dinitro-O-	*	0.050	0.135	0.183			0.1230	55.100*
N-nitrosodiphenylamine	*	0.567	0.606	0.585			0.5860	3.300*
4-Bromophenyl phenyl ether	*	0.206	0.216	0.222			0.2150	3.800*
Hexachlorobenzene	*	0.239	0.236	0.234			0.2360	1.200*
Pentachlorophenol	*	0.017	0.098	0.136			0.0840	72.400

KIN-BUC LANDFILL
SEMIVOLATILE 3RD EDITION
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001355-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 1003SW

Instrument ID: I50X-A Calibration Dates(s): 10/18/2003 10/18/2003

Calibration Times: 08:24 09:31

Lab File ID: RRF20 = X57978.RR RRF80 = X57979.RR
RRF160 = X57980.RR RRF0 RRF0

COMPOUND	RRF20	RRF80	RRF160	RRF0	RRF0	AVG RRF	% RSD
Phenanthrene	* 1.142	1.130	1.076			1.1160	3.100*
Anthracene	* 1.163	1.140	1.134			1.1460	1.300*
Di-n-butyl phthalate	* 1.418	1.488	1.428			1.4450	2.600*
Fluoranthene	* 1.082	1.090	1.015			1.0620	3.900*
Pyrene	* 1.065	1.074	1.043			1.0610	1.500*
Butyl benzyl phthalate	* 0.646	0.693	0.707			0.6820	4.700*
3,3'-Dichlorobenzidine	* 0.303	0.341	0.319			0.3210	5.900*
Benzo(a)anthracene	* 0.965	0.980	0.958			0.9680	1.100*
Chrysene	* 1.141	1.144	1.082			1.1220	3.100*
Bis(2-ethylhexyl) phthalate	* 0.859	0.939	0.958			0.9190	5.700*
Di-n-octyl phthalate	* 1.673	1.878	1.777			1.7760	5.800*
[illegible]o(b)fluoranthene	* 1.132	1.101	1.131			1.1210	1.600*
Benzo(k)fluoranthene	* 1.174	1.252	1.012			1.1460	10.700*
Benzo(a)pyrene	* 1.027	1.114	1.038			1.0590	4.500*
Indeno(1,2,3-cd)pyrene	* 1.101	1.152	1.166			1.1400	3.000*
Dibenzo(a,h)anthracene	* 1.020	1.043	1.003			1.0220	2.000*
Benzo(ghi)perylene	* 1.101	1.152	1.166			1.1400	3.000*
1,2-Diphenylhydrazine	* 1.570	1.540	1.391			1.5000	6.400*
Benzidine	* 0.412	0.409	0.433			0.4180	3.100*
N-Nitrosodimethylamine	* 0.748	0.847	0.808			0.8010	6.200*
Nitrobenzene-D5	* 0.343	0.364	0.360			0.3560	3.100*
2-Fluorobiphenyl	* 1.134	1.075	0.980			1.0630	7.300*
p-Terphenyl-d14	* 0.731	0.720	0.676			0.7090	4.200*
Phenol-D5	* 1.475	1.620	1.564			1.5530	4.700*
2-Fluorophenol	* 1.065	1.261	1.265			1.1970	9.600*
2,4,6-Tribromophenol	* 0.090	0.110	0.120			0.1060	14.400*

Comments:

RAW QC DATA

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3B1182602

mple wt/vol: 1000.0 (g/mL) ML Lab File ID: X57984.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	5.1	U
208-96-8	Acenaphthylene	5.1	U
120-12-7	Anthracene	6.6	U
92-87-5	Benzidine	44	U
56-55-3	Benzo(a)anthracene	7.8	U
205-99-2	Benzo(b)fluoranthene	5.6	U
207-08-9	Benzo(k)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	4.6	U
50-32-8	Benzo(a)pyrene	6.7	U
111-91-1	Bis(2-chloroethoxy) methane	5.3	U
111-44-4	Bis(2-chloroethyl) ether	5.7	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	5.1	U
101-55-3	4-Bromophenyl phenyl ether	5.9	U
85-68-7	Butyl benzyl phthalate	4.4	U
59-50-7	Cresol, p-Chloro-m-	3.7	U
91-58-7	2-Chloronaphthalene	5.4	U
95-57-8	2-Chlorophenol	3.4	U
7005-72-3	4-Chlorophenyl phenyl ether	5.8	U
218-01-9	Chrysene	6.5	U
53-70-3	Dibenzo(a,h)anthracene	6.0	U
541-73-1	1,3-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	3.3	U
106-46-7	1,4-Dichlorobenzene	4.4	U
91-94-1	3,3'-Dichlorobenzidine	16	U
120-83-2	2,4-Dichlorophenol	3.4	U
84-66-2	Diethyl phthalate	6.6	U
105-67-9	2,4-Dimethylphenol	2.7	U
131-11-3	Dimethyl phthalate	6.0	U
534-52-1	Cresol, 4,6-Dinitro-O-	24	U
122-66-7	1,2-Diphenylhydrazine	4.9	U
51-28-5	2,4-Dinitrophenol	42	U

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

S Blank

o Name: STL Buffalo Contract: _____

o Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

trix: (soil/water) WATER Lab Sample ID: A3B1182602

mple wt/vol: 1000.0 (g/mL) ML Lab File ID: X57984.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

jection Volume: 2.00 (uL) Dilution Factor: 1.00

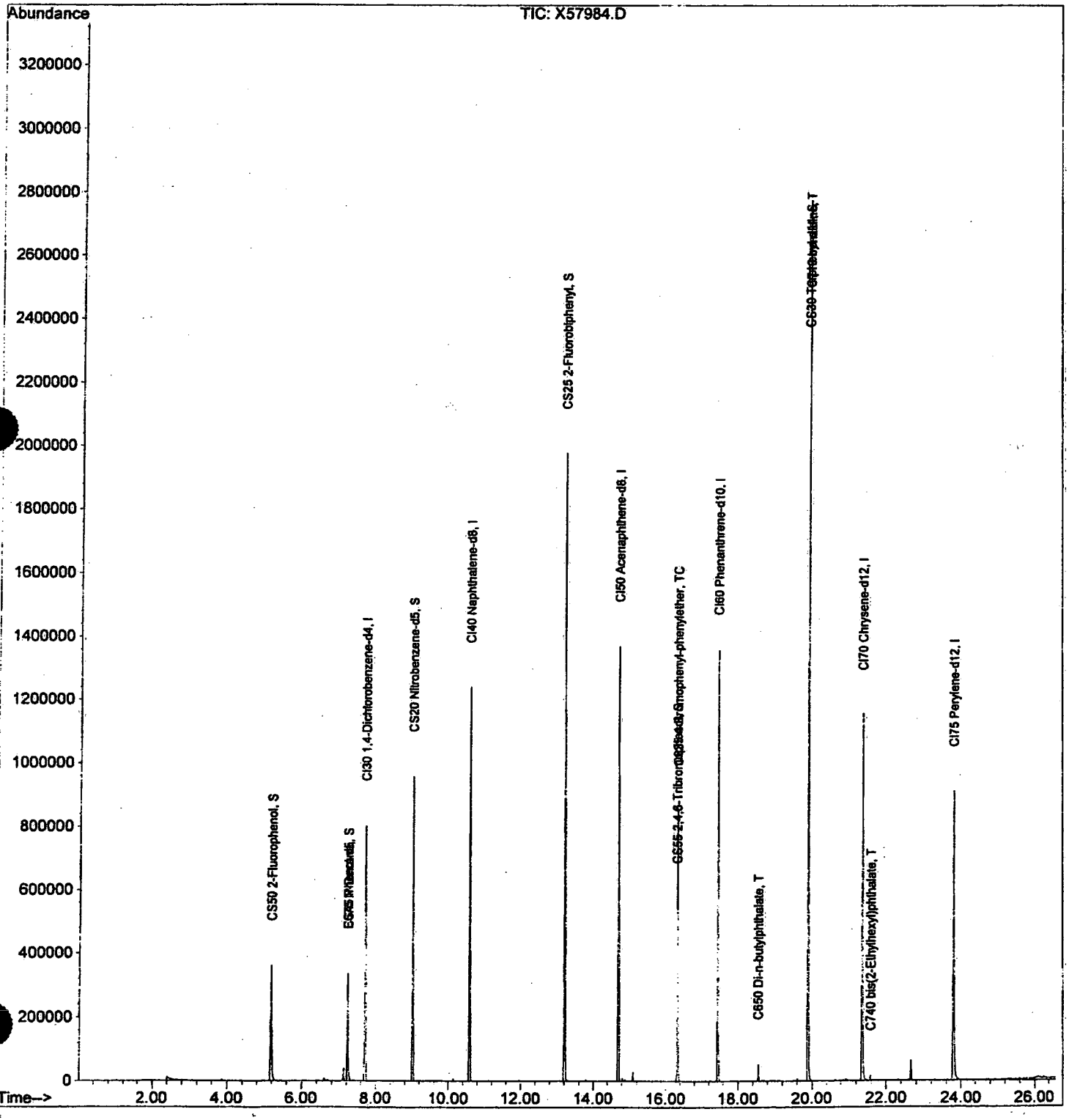
C Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	6.4	U
606-20-2	2,6-Dinitrotoluene	5.8	U
84-74-2	Di-n-butyl phthalate	8.0	U
117-84-0	Di-n-octyl phthalate	5.5	U
206-44-0	Fluoranthene	7.9	U
86-73-7	Fluorene	7.2	U
118-74-1	Hexachlorobenzene	6.9	U
87-68-3	Hexachlorobutadiene	2.8	U
77-47-4	Hexachlorocyclopentadiene	8.3	U
67-72-1	Hexachloroethane	2.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.9	U
78-59-1	Isophorone	3.7	U
91-20-3	Naphthalene	3.5	U
98-95-3	Nitrobenzene	2.9	U
88-75-5	2-Nitrophenol	3.6	U
100-02-7	4-Nitrophenol	7.4	U
62-75-9	N-Nitrosodimethylamine	2.2	U
621-64-7	N-Nitroso-Di-n-propylamine	3.7	U
86-30-6	N-nitrosodiphenylamine	6.2	U
87-86-5	Pentachlorophenol	15	U
85-01-8	Phenanthrene	7.6	U
108-95-2	Phenol	1.5	U
129-00-0	Pyrene	6.0	U
120-82-1	1,2,4-Trichlorobenzene	2.9	U
88-06-2	2,4,6-Trichlorophenol	5.3	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57984.D Vial: 8
Acq On : 18 Oct 2003 11:46 Operator:
Sample : SBLK31 AW30014128 Inst : I50X-A
Misc : 03-9900/53/78/81/47/9894 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:32 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix: (soil/water) WATER Lab Sample ID: A3B1182601

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: X57983.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	38	
208-96-8	Acenaphthylene	39	
120-12-7	Anthracene	41	
92-87-5	Benzidine	17	J
56-55-3	Benzo(a)anthracene	48	
205-99-2	Benzo(b)fluoranthene	48	
207-08-9	Benzo(k)fluoranthene	45	
191-24-2	Benzo(ghi)perylene	51	
50-32-8	Benzo(a)pyrene	48	
111-91-1	Bis(2-chloroethoxy) methane	37	
111-44-4	Bis(2-chloroethyl) ether	32	
108-60-1	2,2'-Oxybis(1-Chloropropane)	31	
117-81-7	Bis(2-ethylhexyl) phthalate	46	
101-55-3	4-Bromophenyl phenyl ether	38	
85-68-7	Butyl benzyl phthalate	45	
59-50-7	Cresol, p-Chloro-m-	43	
91-58-7	2-Chloronaphthalene	32	
95-57-8	2-Chlorophenol	31	
7005-72-3	4-Chlorophenyl phenyl ether	42	
218-01-9	Chrysene	44	
53-70-3	Dibenzo(a,h)anthracene	49	
541-73-1	1,3-Dichlorobenzene	13	
95-50-1	1,2-Dichlorobenzene	16	
106-46-7	1,4-Dichlorobenzene	14	
91-94-1	3,3'-Dichlorobenzidine	53	
120-83-2	2,4-Dichlorophenol	39	
84-66-2	Diethyl phthalate	48	
105-67-9	2,4-Dimethylphenol	41	
131-11-3	Dimethyl phthalate	47	
534-52-1	Cresol, 4,6-Dinitro-O-	39	
122-66-7	1,2-Diphenylhydrazine	42	
51-28-5	2,4-Dinitrophenol	33	J

KIN-BUC LANDFILL
METHOD 625 - P.P. BASE NEUTRAL/ACID EXTRACTABLES
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix: (soil/water) WATER Lab Sample ID: A3B1182601

mple wt/vol: 1000.0 (g/mL) ML Lab File ID: X57983.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/18/2003

njection Volume: 2.00 (uL) Dilution Factor: 1.00

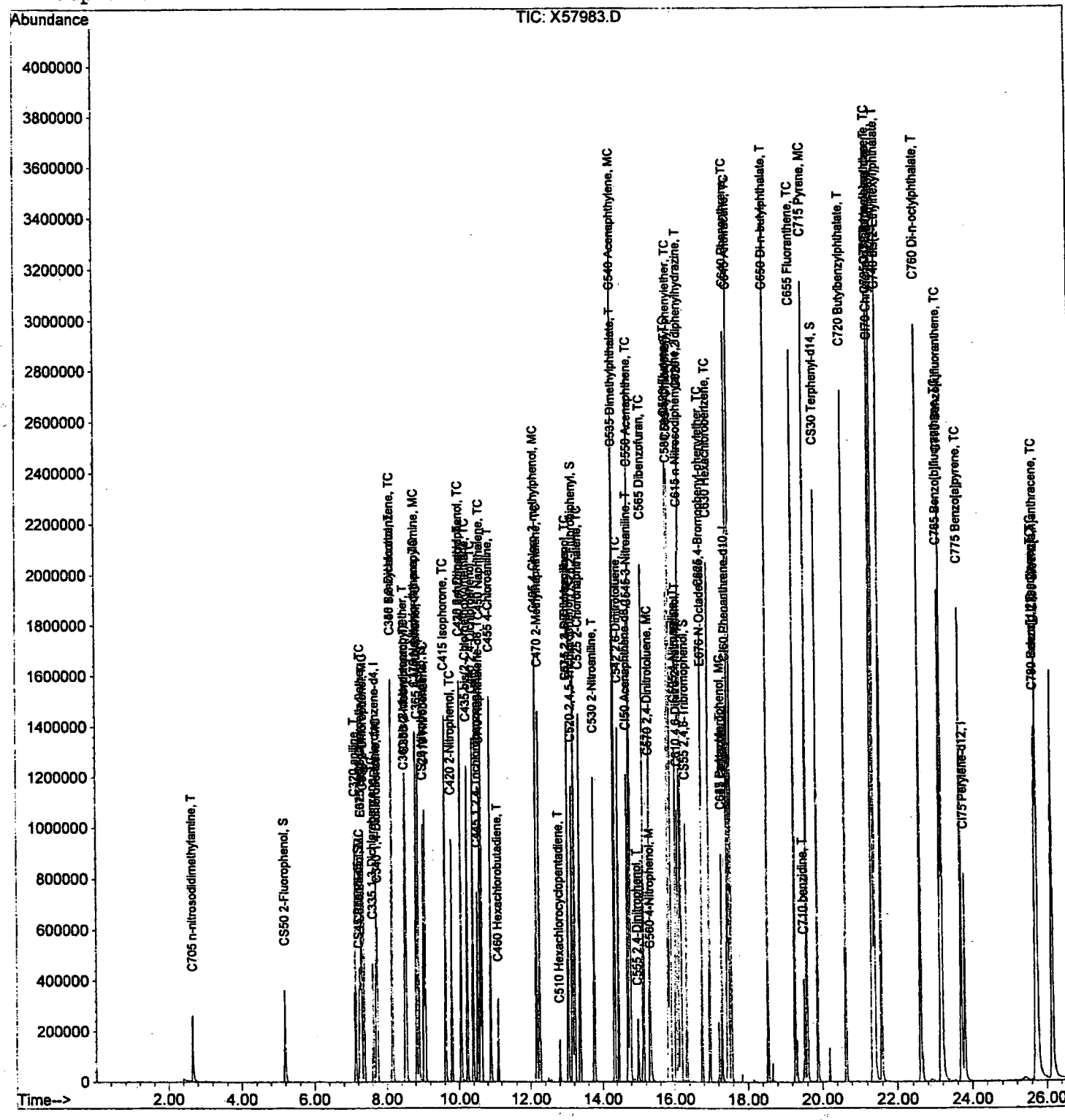
PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	49	
606-20-2	2,6-Dinitrotoluene	46	
84-74-2	Di-n-butyl phthalate	42	
117-84-0	Di-n-octyl phthalate	46	
206-44-0	Fluoranthene	42	
86-73-7	Fluorene	44	
118-74-1	Hexachlorobenzene	39	
87-68-3	Hexachlorobutadiene	11	
77-47-4	Hexachlorocyclopentadiene	12	
67-72-1	Hexachloroethane	9.2	
193-39-5	Indeno(1,2,3-cd)pyrene	51	
78-59-1	Isophorone	37	
91-20-3	Naphthalene	28	
98-95-3	Nitrobenzene	34	
88-75-5	2-Nitrophenol	36	
100-02-7	4-Nitrophenol	20	
62-75-9	N-Nitrosodimethylamine	23	
621-64-7	N-Nitroso-Di-n-propylamine	36	
86-30-6	N-nitrosodiphenylamine	32	
87-86-5	Pentachlorophenol	36	
85-01-8	Phenanthrene	41	
108-95-2	Phenol	15	
129-00-0	Pyrene	52	
120-82-1	1,2,4-Trichlorobenzene	18	
88-06-2	2,4,6-Trichlorophenol	44	

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\101803\X57983.D Vial: 7
Acq On : 18 Oct 2003 11:12 Operator:
Sample : MSB AW30014127 Inst : I50X-A
Misc : 03-9900/53/78/81/47/9894 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 20 6:31 2003 Quant Results File: 625ADDS.RES

Method : C:\ELINK\INSTR1\QUANT\625ADDS.M (RTE Integrator)
Title : 625+ADDS BNA Calibration
Last Update : Sat Oct 18 10:11:26 2003
Response via : Initial Calibration



STL Buffa
Date: 10/16/2003
Time: 13:29:01

Organic Prep Log Book
(3510C) 625 WATERS
A3B11826

Rept: AN05

SURROGATE A186
Expiration Date: 3-1-04
Prepared by: KEA
Spiked by: MM 1000.00 ul
Witnessed by:

MATRIX SPIKE A193
Expiration Date: 3-24-04
Prepared by: MM
Spiked by: MM 500.00 ul
Witnessed by:

MeCl2: Y33F36
Acetone:
Hexane:
Na2So4: 43146330
1:1 H2SO4: 20162
10 N NaOH: 30855

Date Ext/Initials: 10-17-03 MM CM

Date Cleanup/Initials:

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: 10-17-03 DRV

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A03-9953	A3995302	A	FS 1X	AW30014126	625 SVOA	CFR136	625	A00026	1	brown	7	1040	1.0
A3B11826	A3B1182601		MSB	AW30014127	625 SVOA	CFR136	625	A00026	A00056	Clear	5	1000	
A3B11826	A3B1182602		MBLK	AW30014128	625 SVOA	CFR136	625	A00026					
A3B11826	A3B1182601		MSB	AW30014127	PP BNA	CFR136	625	A00026	A00056				
A3B11826	A3B1182602		MBLK	AW30014128	PP BNA	CFR136	625	A00026					
A03-9900	A3990001	A	FS 1X	AW30014129	PP BNA	CFR136	625	A00026		lt. yellow	8	1055	
A03-9900	A3990002		FS 2X	AW30014130	PP BNA	CFR136	625	A00026				1050	
A03-9900	A3990003		FS 10X	AW30014131	PP BNA	CFR136	625	A00026		yellow		1055	
A03-9900	A3990004		FS 1X	AW30014132	PP BNA	CFR136	625	A00026					
A03-9900	A3990005		FB 1X	AW30014133	PP BNA	CFR136	625	A00026		Clear	6	1045	
A03-9978	A3997801	A	FS 2X	AW30014134	PP BNA	CFR136	625	A00026		brown	5	1050	
A03-9978	A3997802		FS 5X	AW30014135	PP BNA	CFR136	625	A00026			7		
A03-9978	A3997803	A+A+A	FS 1X	AW30014136	PP BNA	CFR136	625	A00026		yellow	7	1000	
A03-9978	A3997803MS		MS 1X	AW30014137	PP BNA	CFR136	625	A00026	A00056			1060	
A03-9978	A3997803SD		SD 1X	AW30014138	PP BNA	CFR136	625	A00026	A00056				
A03-9978	A3997804	A	FB 1X	AW30014139	PP BNA	CFR136	625	A00026		Clear	6	1050	

11/14/39

STL Buffalo
Date: 10/16/2003
Time: 13:29:01

Organic Prep Log Book
(3510C) 625 WATERS
A3B11826

Rept: AN05(

SURROGATE
Expiration Date: _____
Prepared by: _____
Spiked by: _____
Witnessed by: _____

0.00 ul

MATRIX SPIKE
Expiration Date: _____
Prepared by: _____
Spiked by: _____
Witnessed by: _____

0.00 ul

MeCl2: _____
Acetone: _____
Hexane: _____
Na2So4: _____
1:1 H2SO4: _____
10 N NaOH: _____

Date Ext/Initials: _____ _____

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one)

AQUEOUS EXTRACTIONS

Date Conc/Initials: _____ _____

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A03-9981	A3998101	A	FS 1X	AW30014140	PP BNA	CFR136	625	A00026		tan	7	1055	1.0
A03-9981	A3998102		FS	AW30014141	PP BNA	CFR136	625	A00026				↓	
A03-9981	A3998103		FS	AW30014142	PP BNA	CFR136	625	A00026				1050	
A03-9981	A3998104		FS	AW30014143	PP BNA	CFR136	625	A00026				1030	
A03-9981	A3998105	↓	FB	AW30014144	PP BNA	CFR136	625	A00026		↓	↓	1040	
A3B11826	A3B1182601		MSB	AW30014127	TIO BNA	CFR136	625	A00026	A00056	Clear	5	1000	
A3B11826	A3B1182602		MBLK	AW30014128	TIO BNA	CFR136	625	A00026		↓	↓	↓	
A03-9894	A3989401	A	FS 10X	AW30014145	TIO BNA	CFR136	625	A00026		brown	8	1035	
A03-9947	A3994701	↓	FS 10X	AW30014146	TIO BNA	CFR136	625	A00026		↓	↓	1055	
A3B11826	A3B1182601		MSB	AW30014127	625 SVOA	CFR136	625	A00026	A00056	Clear	5	1000	
A3B11826	A3B1182602		MBLK	AW30014128	625 SVOA	CFR136	625	A00026		↓	↓	↓	
A03-9953	A3995301	A	FS 5X	AW30014147	625 SVOA	CFR136	625	A00026		amber	5	1045	↓

Comments: _____

178/439

GCMS SEMIVOLATILE INJECTION LOG

DATE	TIME	ANALYST	FRN	SAMPLE ID	VIAL #	ACQ	INJ VOL	EV	DF	NG I.S.	I.S. ID	SYR ID.	I.S. % REC.	I.S. #2 % R
10/16/03	1756	DLC	X57957	A3983401	AN30013963	9834	2.0	1.0	1	40	SC16-12	013-5	86	83
	1829		X57958	A3980601	66	9806			1				108	106
	1903		X57959	02	67				1				101	98
	1937		X57960	03	68				1				91	90
	2010		X57961	03MS	69				1				94	93
	2044		X57962	03SD	70				1				90	90
	2118		X57963	04	71				10				96	94
	0628		X57964	05	72				5				76	73
	0702		X57965	06	73				5				79	77
	0735		X57966	07	74				1				95	93
	0809		X57967	A3985001	75	9850			1				87	85
	0842		X57968	03	76				1				87	86
	0916		X57969	04	77				1				94	89
	0949		X57970	05	78				10				85	84
	1023		X57971	06	79				1				83	82
	1057		X57972	A3981901	80	9819			5				94	90
	1130		X57973	A3962301	532	9623			1				92	89
	1204		X57974	A3976404	822	9764		10.0	10				98	97
	1237		X57975	05	823								102	101
	1311		X57976	06	824									
10/17/03	0801	DLC	X57977	DFTPP025	SC13-21	—	2.0							
	0824		X57978	SSTD 020	625 (9/2/02)									
	0857		X57979	080										
	0931		X57980	160										
	1005		X57981	SSTD 020	Phenol 0.4 (6/11/02)									
	1038		X57982	CHECK 080	2-NOSK (3/31/03)									
	1112		X57983	MSB	AN30014127	9900 53/7911 43 5961		1.0	1	40	SC16-12	013-5	86	85
	1146		X57984	SBLK31	128				1				88	85
	1219		X57985	A3990001	129	9900			1				96	97

SEVERN TRENT LABORATORIES, INC.

000086

Reviewed By Daniel C. Turner

NO.

[redacted]

S. #2 % REC.	I.S. #3 % REC.	I.S. #4 % REC.	I.S. #5 % REC.	I.S. #6 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	S.S. #5 % REC.	S.S. #6 % REC.	S.S. #7 % REC.	S.S. #8 % REC.	COMMENTS
83	81	91	89	92	40	26	75	83	71	87	—	—	
106	109	107	95	120	42	27	76	82	88	74	—	—	
98	97	104	96	106	41	28	75	92	98	88	—	—	
90	88	95	87	93	44	30	79	95	95	90	—	—	
93	93	102	85	99	50	41	68	77	78	84	—	—	
90	89	100	86	95	55	45	78	89	89	94	—	—	
94	94	99	89	93	30	20 ~~170~~	70	90	80	80	—	—	MATRIX
73	69	71	77	95	40	30	75	95	90	80	—	—	
77	73	74	75	94	35	35	75	90	90	70	—	—	
93	93	103	102	105	37	22	67	85	81	95	—	—	
													EXTREME MATRIX RI @ DL
85	84	93	91	101	31	20	64	81	82	84	—	—	
86	86	94	89	102	30	21	55	70	85	71	—	—	
9[illegible]	93	102	93	118	30	30	100	100	90	80	—	—	
87	86	101	101	106	37	~~26~~ 24	76	92	86	95	—	—	
82	82	94	92	98	40	25	95	120	90	115	—	—	
90	91	106	95	105	43	28	85	88	90	99	—	—	
89	87	93	90	117	D	—	—	—	—	—	—	—	D = sum, DL out
97	97	108	108	117	D	—	—	—	—	—	—	—	
101	99	108 ~~99~~	95	105	D	—	—	—	—	—	—	—	DMC #1, no tail deg OK T-2595 T-1355
													Benzoic Acid/2,4-Dinitrophenol used from this std
85	78	87	74	81	38	27	70	85	85	96	—	—	
85	82	93	87	86	41	27	71	81	66	94	—	—	
97	98	105	95	96	40	28	75	91	92	93	—	—	

000087

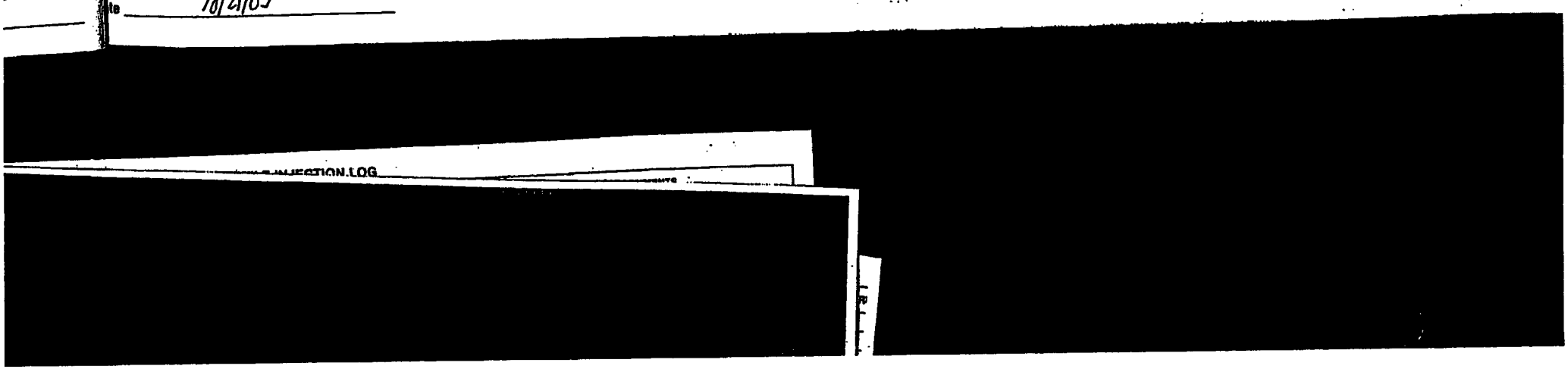
NO. _____ Page 2

te 10/21/03

[redacted]

INJECTION LOG

[redacted]



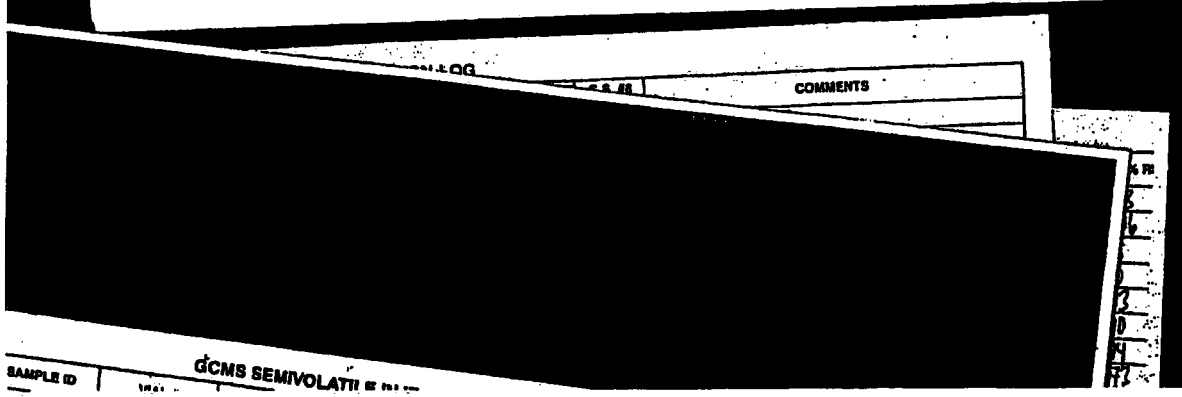
GCMS SEMIVOLATILE INJECTION

DATE	TIME	ANALYST	FRN	SAMPLE ID	VIAL #	JOB # A07-	[illegible]L	F.V.	DF	NG I.S.	I.S. ID	SYR ID.	I.S. #1 % R[illegible]	I.S. #2 % RE[illegible]
10/18/03	1253	[illegible]	X57986	A3990002	AW30014130	9900	2.0	1.0	2	40	SC16-12	013-S	9[illegible]	93
	1327		X57987	03	31				10				95	94
	1400		X57988	04	32				1				110	109
	1434		X57989	05	33				1				99	97
	1508		X57990	A3997801	34	9978			2				100	97
	1541		X57991	02	35				5				95	92
	1615		X57992	03	36				1				97	93
	1649		X57993	03MS	37				1				102	99
	1722		X57994	03SD	38				1				94	94
	1756		X57995	04	39				1				97	92
	1829		X57996	A3998101	40	9981			1				93	86
	1903		X57997	02	41				1				103	96
	1936		X57998	03	42				1				96	90
	2010		X57999	04	43				1				96	92
	2043		X58000	05	44				1				103	99
	2117		X58001	A3989401	45	9894			10				97	94
	2150		X58002	A3994701	46	9947			10				99	93
	2224		X58003	A3995301	47	9953			5				91	86
	2257		X58004	A3995302	26				1				85	79
	2331		X58005	A3985001	13975	9850			50				79	72
10/19/03	0004		X58006	A3976403DL	[illegible] 821	9764		10.0	25				85	81
	0038		X58007	06DL	824				25				88	26
10/21/03	0758	[illegible]	X58008	DFTPP025	SC13-3I	—	2.0	—						
	0821		X58009	SSTD 020	625 (9/2/03)	—		—						
	0854		X58010	080		—		—						
	0928		X58011	160		—		—						
	1002		X58012	SSTD 020	PHENOL, D.A MIX (9/16/03)	—		—						
	1036		X58013	CHECK080	2ND SLC (9/16/03)	—		—						
	1109		X58014	MSB	AW30014203	A007/003/004 9984		1.0	1	40	SC16-19	013-S	109	106

SEVERN TRENT LABORATORIES, INC.

000088

Reviewed By _____ NO. _____



COMMENTS

SAMPLE ID

GCMS SEMIVOLATILE INJECTION

% REC.	I.S. #3 % REC.	I.S. #4 % REC.	I.S. #5 % REC.	I.S. #6 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	S.S. #5 % REC.	S.S. #6 % REC.	S.S. #7 % REC.	S.S. #8 % REC.	COMMENTS
3	95	100	92	95	38	26	70	88	92	80	—	—	
1	93	102	94	93	30	20	80	100	90	100	—	—	
9	108	112	100	110	40	27	69	80	88	82	—	—	
7	93	109	102	102	32	20	58	70	59	81	—	—	
7	101	99	89	111	48	32	88	100	108	74	—	—	
92	92	96	85	96	35	25	75	100	100	100	—	—	
93	90	101	92	97	42	31	73	86	86	79	—	—	
79	96	109	89	98	38	27	76	87	86	83	—	—	
94	91	102	84	92	39	29	78	91	87	84	—	—	
92	83	96	89	95	40	25	76	92	70	95	—	—	
86	79	92	81	90	41	26	77	91	67	83	—	—	
96	90	103	90	97	41	27	77	90	72	89	—	—	
90	85	97	85	94	38	25	80	94	74	84	—	—	
92	86	100	90	96	42	28	76	89	70	81	—	—	
99	90	103	90	95	40	25	77	90	67	100	—	—	
94	92	99	85	102	30	20	150	100	70	100	—	—	MATRIX
93	90	95	95	121	20	20	65	70	50	50	—	—	
86	83	92	82	98	35	25	70	90	80	70	—	—	
79	72	76	81	110	43	28	79	87	83	59	—	—	
72	69	72	82	113	D	—	—	—	—	—	—	—	D = [illegible] OL out
81	73	76	72	97	D	—	—	—	—	—	—	—	
86	80	90	79	95	D	—	—	—	—	—	—	—	
													DMC#1, no tail, deg OK T-2609 I-1358
													Benzoic Acid + 2,4-Dinitrophenol [illegible] from the std [illegible]
106	102	113	99	108	48	34	87	101	94	103	—	—	

Date:

NO. _____

Page 2

000089

METHOD 608 DATA

QC SUMMARY

SAMPLE DATA

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

GC Column(1): RTXCLPI ID: 0.53 (mm)

	Client Sample ID	DCBP %REC	#	TCMX %REC	#							TOT OUT
1	FBSW101403	94		60								0
2	Matrix Spike Blank	128		64								0
3	Method Blank	125		80								0
4	SW-01	74		84								0
5	SW-02	75		88								0
6	SW-03	92		81								0
7	SW-04	68		66								0

QC LIMITS

(DCBP) = Decachlorobiphenyl (30-135)
(TCMX) = Tetrachloro-m-xylene (22-119)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A3B1182502

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
alpha-BHC	0.0500	0.0364	73	49 - 120	
Heptachlor	0.0500	0.0334	67	17 - 120	
Aldrin	0.0500	0.0223	45	19 - 120	
beta-BHC	0.0500	0.0409	82	58 - 120	
gamma-BHC (Lindane)	0.0500	0.0368	74	50 - 120	
delta-BHC	0.0500	0.0367	73	56 - 120	
Dieldrin	0.0500	0.0345	69	55 - 125	
Endrin	0.0500	0.0449	90	53 - 127	
4,4'-DDD	0.0500	0.0486	97	57 - 130	
4,4'-DDT	0.0500	0.0435	87	52 - 121	
4,4'-DDE	0.0500	0.0404	81	33 - 126	
Endosulfan I	0.0500	0.0407	81	44 - 124	
Endosulfan II	0.0500	0.0384	77	60 - 124	
Endrin aldehyde	0.0500	0.0581	116	59 - 122	
Endosulfan Sulfate	0.0500	0.0433	87	52 - 134	
Heptachlor epoxide	0.0500	0.0409	82	53 - 120	
Methoxychlor	0.0500	0.0471	94	50 - 127	

Column to be used to flag recovery and RPD values with an asterisk

Values outside of QC limits

Spike recovery: 0 out of 17 outside limits

Comments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
METHOD BLANK SUMMARY

Client No.

Method Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

ab Sample ID: A3B1182502 Lab File ID: RA29392.TX0

atrix: (soil/water) WATER Extraction: SEPF

ulfur Cleanup: (Y/N): N Date Extracted: 10/17/2003

ate Analyzed (1): 10/23/2003 Date Analyzed (2): _____

ime Analyzed (1): 22:26 Time Analyzed (2): _____

nstrument ID (1): HP5890-18 Instrument ID (2): _____

C Column (1): RTXCLPI Dia: 0.53(mm) GC Column (2): _____ Dia: ____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	FBSW101403	A3998105	10/25/2003	
2	Matrix Spike Blank	A3B1182501	10/23/2003	
3	SW-01	A3998101	10/27/2003	
4	SW-02	A3998102	10/27/2003	
5	SW-03	A3998103	10/27/2003	
6	SW-04	A3998104	10/27/2003	

omments: _____

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998105

Sample wt/vol: 1050.00 (g/mL) ML Lab File ID: RA29455.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

SW-01

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix: (soil/water) WATER Lab Sample ID: A3998101

ample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29500.TX0

Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

xtraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

njection Volume: 1.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: SW-02

ame: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix: (soil/water) WATER Lab Sample ID: A3998102

ample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29501.TX0

Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

xtraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

njection Volume: 1.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
19-86-8	delta-BHC	0.0050	U
7-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

SW-03

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

atrix: (soil/water) WATER Lab Sample ID: A3998103

ample wt/vol: 1055.00 (g/mL) ML Lab File ID: RA29502.TX0

Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

xtraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

njection Volume: 1.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.: SW-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3998104

Sample wt/vol: 1045.00 (g/mL) ML Lab File ID: RA29503.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 10/14/2003 10/15/2003

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

STANDARDS

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

	LEVEL (ng)					
COMPOUND	0.005	0.01	0.05	0.10	0.15	R^2
	Area					
alpha-BHC	41690	84189	522121	1095268	1675202	0.999739
gamma-BHC	41724	83979	503060	1019218	1543233	0.999963
beta-BHC	28154	54182	278757	542197	796176	0.999627
delta-BHC	36585	74207	462163	965924	1479423	0.999749
Heptachlor	54235	104860	542753	1056655	1575836	0.999870
Aldrin	38018	76869	441102	892971	1363524	0.999895
Hept. epoxide	45524	88574	453708	879939	1288064	0.999524
gamma chlordane	45310	92535	477749	931024	1373219	0.999707
alpha chlordane	47458	91820	471064	912160	1341202	0.999617
4,4'-DDE	29893	59844	372403	775857	1189196	0.999750
Endosulfan I	43183	83590	435791	854246	1264070	0.999815
Dieldrin	36834	73571	410561	820520	1235448	0.999980
Endrin	34369	68324	384461	770261	1164328	0.999974
4,4'-DDD	25140	51690	316311	654673	1005844	0.999755
Endosulfan II	37281	74034	383492	751023	1113925	0.999842
4,4'-DDT	30921	62411	358818	731380	1106588	0.999962
Endrin aldehyde	30706	61564	318624	620272	913493	0.999672
methoxychlor	21070	42769	234438	450644	662934	0.999412
Endo. Sulfate	32468	64438	345048	674335	1012435	0.999905
Endrin ketone	35259	71027	397916	788607	1180443	0.999933

6J

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
alpha-BHC	11.27	11.27	11.28	11.27	0.05	11.22	11.32
gamma-BHC	12.33	12.33	12.34	12.33	0.05	12.28	12.38
beta-BHC	12.65	12.65	12.65	12.65	0.05	12.60	12.70
delta-BHC	13.17	13.17	13.17	13.17	0.05	13.12	13.22
Heptachlor	13.78	13.78	13.78	13.78	0.05	13.73	13.83
Aldrin	14.61	14.61	14.61	14.61	0.05	14.56	14.66
Hept. epoxide	16.21	16.20	16.20	16.20	0.05	16.15	16.25
gamma chlordane	16.53	16.52	16.52	16.52	0.05	16.47	16.57
alpha chlordane	16.86	16.85	16.85	16.85	0.05	16.80	16.90
4,4'-DDE	17.07	17.07	17.07	17.07	0.05	17.02	17.12
Endosulfan I	17.17	17.17	17.17	17.17	0.05	17.12	17.22
Dieldrin	17.76	17.76	17.76	17.76	0.05	17.71	17.81
Endrin	18.31	18.31	18.31	18.31	0.05	18.26	18.36
4,4'-DDD	18.48	18.47	18.47	18.47	0.05	18.42	18.52
Endosulfan II	18.84	18.84	18.83	18.84	0.05	18.79	18.89
4,4'-DDT	19.13	19.12	19.12	19.12	0.05	19.07	19.17
Endrin aldehyde	19.81	19.80	19.80	19.80	0.05	19.75	19.85
methoxychlor	20.24	20.22	20.22	20.23	0.05	20.18	20.28
Endo. Sulfate	20.81	20.81	20.81	20.81	0.05	20.76	20.86
Endrin ketone	21.49	21.48	21.48	21.48	0.05	21.43	21.53

FORM VIA Pest

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

	LEVEL (ng)					
COMPOUND	0.005	0.010	0.050	0.100	0.150	R^2
	Area					
Tetrachloro-m-xylene	40172	81097	444123	865361	1262447	0.999345
Decachlorobiphenyl	41269	82371	410448	755641	1076102	0.997415

6J

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tetrachloro-m-xylene	9.12	9.11	9.12	9.12	0.05	9.07	9.17
Decachlorobiphenyl	24.11	24.11	24.11	24.11	0.05	24.06	24.16

6F

PESTICIDE INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 07/10/03 to 07/10/03

	LEVEL (ng)					
COMPOUND	0.05	0.100	0.500	1.000	1.500	R^2
	Area					
Toxaphene	48528	111644	723682	1426758	2143211	0.999799

6J

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 07/10/03 to 07/10/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Toxaphene	18.07	18.07	18.07	18.07	0.07	18.00	18.14

FORM VI Pest

6F

PESTICIDE INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 04/22/03 to 04/23/03

	LEVEL (ng)					
COMPOUND	0.05	0.100	0.500	1.000	1.500	R^2
	Area					
Tech Chlordane	218635	408752	2019461	3644702	4990660	0.993688

6J

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A Date(s) Analyzed:

Column: RTX-CLP I 04/22/03 to 04/23/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tech Chlordane	12.42	12.42	12.42	12.42	0.07	12.35	12.49

203/439
CONFIRMATION
COLUMN

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 B Date(s) Analyzed:

Column: RTX-CLP II 10/04/03 to 10/04/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
alpha-BHC	12.92	12.92	12.92	12.92	0.05	12.87	12.97
gamma-BHC	13.99	13.99	13.99	13.99	0.05	13.94	14.04
beta-BHC	14.26	14.25	14.25	14.25	0.05	14.20	14.30
delta-BHC	15.07	15.06	15.06	15.06	0.05	15.01	15.11
heptachlor	15.22	15.22	15.22	15.22	0.05	15.17	15.27
Aldrin	16.08	16.08	16.08	16.08	0.05	16.03	16.13
Hept. epoxide	17.51	17.51	17.51	17.51	0.05	17.46	17.56
gamma Chlordane	17.98	17.98	17.98	17.98	0.05	17.93	18.03
alpha Chlordane	18.32	18.32	18.32	18.32	0.05	18.27	18.37
Endosulfan I	18.47	18.47	18.47	18.47	0.05	18.42	18.52
4,4'-DDE	18.69	18.69	18.69	18.69	0.05	18.64	18.74
Dieldrin	19.11	19.11	19.11	19.11	0.05	19.06	19.16
Endrin	19.83	19.83	19.83	19.83	0.05	19.78	19.88
4,4'-DDD	20.03	20.02	20.02	20.02	0.05	19.97	20.07
Endosulfan II	20.31	20.31	20.31	20.31	0.05	20.26	20.36
4,4'-DDT	20.74	20.74	20.74	20.74	0.05	20.69	20.79
Endrin aldehyde	21.07	21.07	21.07	21.07	0.05	21.02	21.12
Endo. Sulfate	21.74	21.74	21.74	21.74	0.05	21.69	21.79
methoxychlor	22.33	22.33	22.33	22.33	0.05	22.28	22.38
Endrin ketone	23.14	23.14	23.14	23.14	0.05	23.09	23.19

FORM VIA Pest

204/439
CONFIRMATION
COLUMN

PESTICIDE INITIAL RT WINDOW OF SINGLE COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 B Date(s) Analyzed:

Column: RTX-CLP II 10/04/03 to 10/04/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tetrachloro-m-xylene	10.83	10.83	10.82	10.83	0.05	10.78	10.88
Decachlorobiphenyl	27.02	27.02	27.01	27.02	0.05	26.97	27.07

6J

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

CONFIRMATION COLUMN

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 B Date(s) Analyzed:

Column: RTX-CLP II 07/10/03 to 07/10/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Toxaphene	18.62	18.61	18.61	18.61	0.07	18.54	18.68

6J

PESTICIDE INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

CONFIRMATION COLUMN

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 B Date(s) Analyzed:

Column: RTX-CLP II 04/22/03 to 04/23/03

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW	From	To
	Retention Time				(+/-)		
Tech Chlordane	13.92	13.92	13.93	13.92	0.07	13.85	13.99

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MR Date/Time Analyzed: 10/23/03 18:03

FILE ID: H:\TURBO4\5890-18\RA29385.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.47	11.42	11.52	0.0440	0.0500	-12.1
gamma-BHC	12.53	12.48	12.58	0.0443	0.0500	-11.5
beta-BHC	12.85	12.80	12.90	0.0473	0.0500	-5.4
delta-BHC	13.38	13.33	13.43	0.0433	0.0500	-13.4
Heptachlor	13.99	13.94	14.04	0.0471	0.0500	-5.9
Aldrin	14.83	14.78	14.88	0.0450	0.0500	-10.0
Hept. epoxide	16.43	16.38	16.48	0.0470	0.0500	-6.0
gamma chlordane	16.76	16.71	16.81	0.0468	0.0500	-6.4
alpha chlordane	17.09	17.04	17.14	0.0473	0.0500	-5.5
4,4'-DDE	17.30	17.25	17.35	0.0445	0.0500	-11.1
Endosulfan I	17.41	17.36	17.46	0.0473	0.0500	-5.4
Dieldrin	18.00	17.95	18.05	0.0465	0.0500	-6.9
Endrin	18.56	18.51	18.61	0.0461	0.0500	-7.9
4,4'-DDD	18.72	18.67	18.77	0.0452	0.0500	-9.6
Endosulfan II	19.09	19.04	19.14	0.0475	0.0500	-5.0
4,4'-DDT	19.37	19.32	19.42	0.0456	0.0500	-8.7
Endrin aldehyde	20.06	20.01	20.11	0.0481	0.0500	-3.8
methoxychlor	20.48	20.43	20.53	0.0487	0.0500	-2.6
Endo. Sulfate	21.07	21.02	21.12	0.0473	0.0500	-5.5
Endrin ketone	21.78	21.73	21.83	0.0523	0.0500	4.6

* Value >15.0% Difference

Average %D = 7.4

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/23/03 18:40

FILE ID: H:\TURBO4\5890-18\RA29386.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.29	9.24	9.34	0.0474	0.0500	-5.2
Decachlorobiphenyl	24.45	24.40	24.50	0.0542	0.0500	8.3

* Value >15.0% Difference

Average %D = 6.7

7C

PESTICIDE BREAKDOWN SUMMARY

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

Ref ID: ICM1KD Date/Time Analyzed: 10/23/03 19:18

File ID: H:\TURBO4\5890-18\RA29387.RAW

COMPOUND	Area	% Breakdown
4,4'-DDE	0	
4,4'-DDD	0	
4,4'-DDT	644946	**0.0**
Endrin aldehyde	0	
Endrin ketone	10513	
Endrin	332051	**3.1**

*** Value >15.0% DEGRADATION**

FORM XI Pest

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MR Date/Time Analyzed: 10/24/03 02:11

FILE ID: H:\TURBO4\5890-18\RA29398.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.46	11.41	11.51	0.0469	0.0500	-6.2
gamma-BHC	12.53	12.48	12.58	0.0470	0.0500	-6.1
beta-BHC	12.85	12.80	12.90	0.0501	0.0500	0.3
delta-BHC	13.38	13.33	13.43	0.0447	0.0500	-10.5
Heptachlor	13.99	13.94	14.04	0.0482	0.0500	-3.6
Aldrin	14.82	14.77	14.87	0.0482	0.0500	-3.6
Hept. epoxide	16.43	16.38	16.48	0.0496	0.0500	-0.8
gamma chlordane	16.75	16.70	16.80	0.0500	0.0500	0.1
alpha chlordane	17.08	17.03	17.13	0.0498	0.0500	-0.3
4,4'-DDE	17.30	17.25	17.35	0.0475	0.0500	-5.0
Endosulfan I	17.40	17.35	17.45	0.0508	0.0500	1.6
Dieldrin	17.99	17.94	18.04	0.0495	0.0500	-1.0
Endrin	18.55	18.50	18.60	0.0494	0.0500	-1.1
4,4'-DDD	18.71	18.66	18.76	0.0484	0.0500	-3.2
Endosulfan II	19.08	19.03	19.13	0.0510	0.0500	2.0
4,4'-DDT	19.36	19.31	19.41	0.0485	0.0500	-3.1
Endrin aldehyde	20.05	20.00	20.10	0.0481	0.0500	-3.7
methoxychlor	20.47	20.42	20.52	0.0511	0.0500	2.3
Endo. Sulfate	21.06	21.01	21.11	0.0487	0.0500	-2.7
Endrin ketone	21.77	21.72	21.82	0.0501	0.0500	0.2

* Value >15.0% Difference

Average %D = 2.9

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/24/03 02:49

FILE ID: H:\TURBO4\5890-18\RA29399.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.29	9.24	9.34	0.0483	0.0500	-3.3
Decachlorobiphenyl	24.44	24.39	24.49	0.0560	0.0500	12.0

* Value >15.0% Difference

Average %D = 7.7

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS 0.05 Date/Time Analyzed: 10/25/03 10:50

FILE ID: H:\TURBO4\5890-18\RA29447.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.45	11.40	11.50	0.0494	0.0500	-1.1
gamma-BHC	12.52	12.47	12.57	0.0507	0.0500	1.4
beta-BHC	12.84	12.79	12.89	0.0540	0.0500	8.0
delta-BHC	13.36	13.31	13.41	0.0397	0.0500	-20.7 *
Heptachlor	13.97	13.92	14.02	0.0534	0.0500	6.7
Aldrin	14.81	14.76	14.86	0.0509	0.0500	1.8
Hept. epoxide	16.41	16.36	16.46	0.0533	0.0500	6.6
gamma chlordane	16.73	16.68	16.78	0.0525	0.0500	4.9
alpha chlordane	17.06	17.01	17.11	0.0525	0.0500	5.1
4,4'-DDE	17.28	17.23	17.33	0.0508	0.0500	1.5
Endosulfan I	17.39	17.34	17.44	0.0522	0.0500	4.3
Dieldrin	17.97	17.92	18.02	0.0516	0.0500	3.1
Endrin	18.53	18.48	18.58	0.0508	0.0500	1.5
4,4'-DDD	18.69	18.64	18.74	0.0498	0.0500	-0.3
Endosulfan II	19.06	19.01	19.11	0.0520	0.0500	4.1
4,4'-DDT	19.34	19.29	19.39	0.0494	0.0500	-1.1
Endrin aldehyde	20.03	19.98	20.08	0.0512	0.0500	2.4
methoxychlor	20.45	20.40	20.50	0.0533	0.0500	6.5
Endo. Sulfate	21.04	20.99	21.09	0.0475	0.0500	-5.0
Endrin ketone	21.74	21.69	21.79	0.0517	0.0500	3.3

* Value >15.0% Difference

Average %D = 4.5

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG 0.05 Date/Time Analyzed: 10/25/03 13:20

FILE ID: H:\TURBO4\5890-18\RA29448.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.28	9.23	9.33	0.0509	0.0500	1.8
Decachlorobiphenyl	24.42	24.37	24.47	0.0565	0.0500	12.9

* Value >15.0% Difference

Average %D = 7.4

7C

PESTICIDE BREAKDOWN SUMMARY

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

Ref ID: ICM1KD Date/Time Analyzed: 10/25/03 18:20

File ID: H:\TURBO4\5890-18\RA29456.RAW

COMPOUND	Area	% Breakdown
4,4'-DDE	824	
4,4'-DDD	0	
4,4'-DDT	683453	**0.1**
Endrin aldehyde	0	
Endrin ketone	10248	
Endrin	348331	**2.9**

*** Value >15.0% DEGRADATION**

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS 0.05 Date/Time Analyzed: 10/25/03 18:58

FILE ID: H:\TURBO4\5890-18\RA29457.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.45	11.40	11.50	0.0451	0.0500	-9.9
gamma-BHC	12.52	12.47	12.57	0.0462	0.0500	-7.6
beta-BHC	12.84	12.79	12.89	0.0486	0.0500	-2.7
delta-BHC	13.36	13.31	13.41	0.0437	0.0500	-12.6
Heptachlor	13.97	13.92	14.02	0.0471	0.0500	-5.9
Aldrin	14.81	14.76	14.86	0.0462	0.0500	-7.5
Hept. epoxide	16.41	16.36	16.46	0.0489	0.0500	-2.1
gamma chlordane	16.74	16.69	16.79	0.0480	0.0500	-3.9
alpha chlordane	17.07	17.02	17.12	0.0484	0.0500	-3.2
4,4'-DDE	17.29	17.24	17.34	0.0442	0.0500	-11.6
Endosulfan I	17.39	17.34	17.44	0.0494	0.0500	-1.3
Dieldrin	17.98	17.93	18.03	0.0476	0.0500	-4.7
Endrin	18.53	18.48	18.58	0.0468	0.0500	-6.3
4,4'-DDD	18.70	18.65	18.75	0.0458	0.0500	-8.3
Endosulfan II	19.07	19.02	19.12	0.0479	0.0500	-4.1
4,4'-DDT	19.35	19.30	19.40	0.0460	0.0500	-8.1
Endrin aldehyde	20.04	19.99	20.09	0.0464	0.0500	-7.2
methoxychlor	20.47	20.42	20.52	0.0483	0.0500	-3.5
Endo. Sulfate	21.05	21.00	21.10	0.0473	0.0500	-5.3
Endrin ketone	21.75	21.70	21.80	0.0478	0.0500	-4.5

* Value >15.0% Difference

Average %D = 6.0

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG 0.05 Date/Time Analyzed: 10/25/03 19:35

FILE ID: H:\TURBO4\5890-18\RA29458.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.28	9.23	9.33	0.0557	0.0500	11.4
Decachlorobiphenyl	24.42	24.37	24.47	0.0636	0.0500	27.1 *

* Value >15.0% Difference

Average %D = 19.3

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS Date/Time Analyzed: 10/27/03 11:44

FILE ID: H:\TURBO4\5890-18\RA29498.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.44	11.39	11.49	0.0492	0.0500	-1.7
gamma-BHC	12.51	12.46	12.56	0.0506	0.0500	1.2
beta-BHC	12.83	12.78	12.88	0.0527	0.0500	5.5
delta-BHC	13.36	13.31	13.41	0.0482	0.0500	-3.6
Heptachlor	13.96	13.91	14.01	0.0518	0.0500	3.6
Aldrin	14.80	14.75	14.85	0.0505	0.0500	1.0
Hept. epoxide	16.40	16.35	16.45	0.0527	0.0500	5.3
gamma chlordane	16.73	16.68	16.78	0.0521	0.0500	4.3
alpha chlordane	17.06	17.01	17.11	0.0521	0.0500	4.1
4,4'-DDE	17.27	17.22	17.32	0.0486	0.0500	-2.8
Endosulfan I	17.38	17.33	17.43	0.0529	0.0500	5.8
Dieldrin	17.97	17.92	18.02	0.0513	0.0500	2.6
Endrin	18.52	18.47	18.57	0.0492	0.0500	-1.7
4,4'-DDD	18.69	18.64	18.74	0.0496	0.0500	-0.8
Endosulfan II	19.06	19.01	19.11	0.0518	0.0500	3.5
4,4'-DDT	19.34	19.29	19.39	0.0485	0.0500	-2.9
Endrin aldehyde	20.03	19.98	20.08	0.0475	0.0500	-5.0
methoxychlor	20.45	20.40	20.50	0.0492	0.0500	-1.5
Endo. Sulfate	21.04	20.99	21.09	0.0514	0.0500	2.9
Endrin ketone	21.74	21.69	21.79	0.0525	0.0500	5.1

* Value >15.0% Difference

Average %D = 3.2

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/27/03 12:22

FILE ID: H:\TURBO4\5890-18\RA29499.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.27	9.22	9.32	0.0503	0.0500	0.5
Decachlorobiphenyl	24.41	24.36	24.46	0.0585	0.0500	16.9 *

* Value >15.0% Difference

Average %D = 8.7

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/27/03 12:22

FILE ID: H:\TURBO4\5890-18\RA29499.rst

		DAILY WINDOW		Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.27	9.22	9.32	0.0503	0.0500	0.5
Decachlorobiphenyl	24.41	24.36	24.46	0.0585	0.0500	16.9 *

* Value >15.0% Difference

Average %D = 8.7

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM25MS Date/Time Analyzed: 10/27/03 15:30

FILE ID: H:\TURBO4\5890-18\RA29504.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
alpha-BHC	11.45	11.40	11.50	0.0492	0.0500	-1.7
gamma-BHC	12.51	12.46	12.56	0.0505	0.0500	1.0
beta-BHC	12.83	12.78	12.88	0.0526	0.0500	5.1
delta-BHC	13.36	13.31	13.41	0.0476	0.0500	-4.7
Heptachlor	13.97	13.92	14.02	0.0511	0.0500	2.2
Aldrin	14.80	14.75	14.85	0.0508	0.0500	1.7
Hept. epoxide	16.41	16.36	16.46	0.0520	0.0500	4.0
gamma chlordane	16.73	16.68	16.78	0.0519	0.0500	3.8
alpha chlordane	17.06	17.01	17.11	0.0525	0.0500	4.9
4,4'-DDE	17.28	17.23	17.33	0.0480	0.0500	-4.1
Endosulfan I	17.38	17.33	17.43	0.0531	0.0500	6.2
Dieldrin	17.97	17.92	18.02	0.0507	0.0500	1.4
Endrin	18.53	18.48	18.58	0.0495	0.0500	-1.0
4,4'-DDD	18.70	18.65	18.75	0.0498	0.0500	-0.5
Endosulfan II	19.06	19.01	19.11	0.0524	0.0500	4.9
4,4'-DDT	19.35	19.30	19.40	0.0462	0.0500	-7.7
Endrin aldehyde	20.04	19.99	20.09	0.0505	0.0500	0.9
methoxychlor	20.46	20.41	20.51	0.0505	0.0500	1.0
Endo. Sulfate	21.04	20.99	21.09	0.0504	0.0500	0.7
Endrin ketone	21.75	21.70	21.80	0.0435	0.0500	-13.1

* Value >15.0% Difference

Average %D = 3.5

7B

PESTICIDE CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-18 A ICAL Date(s) Analyzed:

Column: RTX-CLP I 10/04/03 to 10/04/03

CCV ID: ICM3DAG DF2 Date/Time Analyzed: 10/27/03 16:07

FILE ID: H:\TURBO4\5890-18\RA29505.rst

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ug/mL)	Amt.(ug/mL)	% D
Tetrachloro-m-xylene	9.28	9.23	9.33	0.0519	0.0500	3.7
Decachlorobiphenyl	24.42	24.37	24.47	0.0598	0.0500	19.5 *

* Value >15.0% Difference

Average %D = 11.6

RAW QC DATA

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3B1182502

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: RA29392.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.0050	U
319-84-6	alpha-BHC	0.0050	U
319-85-7	beta-BHC	0.0050	U
58-89-9	gamma-BHC (Lindane)	0.0050	U
319-86-8	delta-BHC	0.0050	U
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.0050	U
72-55-9	4,4'-DDE	0.0050	U
50-29-3	4,4'-DDT	0.0050	U
60-57-1	Dieldrin	0.0050	U
959-98-8	Endosulfan I	0.0050	U
33213-65-9	Endosulfan II	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U
72-20-8	Endrin	0.0050	U
7421-93-4	Endrin aldehyde	0.0050	U
76-44-8	Heptachlor	0.0050	U
1024-57-3	Heptachlor epoxide	0.0050	U
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.0050	U

KIN-BUC LANDFILL
METHOD 608 - PRIORITY POLLUTANT PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.

Matrix Spike Bla

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix: (soil/water) WATER Lab Sample ID: A3B1182501

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: RA29391.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 10/17/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/2003

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.022	
319-84-6	alpha-BHC	0.036	
319-85-7	beta-BHC	0.041	
58-89-9	gamma-BHC (Lindane)	0.037	
319-86-8	delta-BHC	0.037	
57-74-9	Chlordane	0.050	U
72-54-8	4,4'-DDD	0.049	
72-55-9	4,4'-DDE	0.040	
50-29-3	4,4'-DDT	0.044	
60-57-1	Dieldrin	0.034	
959-98-8	Endosulfan I	0.041	
33213-65-9	Endosulfan II	0.038	
1031-07-8	Endosulfan Sulfate	0.043	
72-20-8	Endrin	0.045	
7421-93-4	Endrin aldehyde	0.058	
76-44-8	Heptachlor	0.033	
1024-57-3	Heptachlor epoxide	0.041	
8001-35-2	Toxaphene	0.10	U
12674-11-2	PCB 1016	0.050	U
11104-28-2	PCB 1221	0.050	U
11141-16-5	PCB 1232	0.050	U
53469-21-9	PCB 1242	0.050	U
12672-29-6	PCB 1248	0.050	U
11097-69-1	PCB 1254	0.050	U
11096-82-5	PCB 1260	0.050	U
72-43-5	Methoxychlor	0.047	

STL Buffalo
Date: 10/29/2003
Time: 16:21:51

Organic Prep Log Book
(3510C) 608 PEST/PCB WATERS
A3B11825 (Closed)

Rept: AN0501

Surrogate Amount: 100.00 ul

Matrix Spike Amount: 50.00 ul

Date Ext/Initials: 10/17/2003 MM

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: 10/17/2003 DRW

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A03-9900	A3990001	A	FS	AW30014105	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1050.0000	1.00
A03-9900	A3990002	A	FS	AW30014106	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1060.0000	1.00
A03-9900	A3990003	A	FS	AW30014107	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1060.0000	1.00
A03-9900	A3990004	A	FS	AW30014108	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1060.0000	1.00
A03-9900	A3990005	A	FB	AW30014109	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1050.0000	1.00
A03-9978	A3997801	A	FS	AW30014110	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1055.0000	1.00
A03-9978	A3997802	A	FS	AW30014111	PP P/PCB	CFR136	608 P/PCB	A00151			6.00	1055.0000	1.00
A03-9978	A3997803	M	FS	AW30014112	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1000.0000	1.00
A03-9978	A3997803MS	M	MS	AW30014113	PP P/PCB	CFR136	608 P/PCB	A00151	A00152		7.00	1090.0000	1.00
A03-9978	A3997803SD	M	SD	AW30014114	PP P/PCB	CFR136	608 P/PCB	A00151	A00152		7.00	1090.0000	1.00
A03-9978	A3997804	A	FB	AW30014115	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1055.0000	1.00
A03-9981	A3998101	A	FS	AW30014116	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1055.0000	1.00
A03-9981	A3998102	A	FS	AW30014117	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1055.0000	1.00
A03-9981	A3998103	A	FS	AW30014118	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1055.0000	1.00
A03-9981	A3998104	A	FS	AW30014119	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1045.0000	1.00
A03-9981	A3998105	A	FB	AW30014120	PP P/PCB	CFR136	608 P/PCB	A00151			7.00	1050.0000	1.00

STL Buffalo
Date: 10/29/2003
Time: 16:21:51

Organic Prep Log Book
(3510C) 608 PEST/PCB WATERS
A3B11825 (Closed)

Rept: AN0501

Surrogate Amount: 100.00 ul

Matrix Spike Amount: 50.00 ul

Date Ext/Initials: 10/17/2003 MM

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: 10/17/2003 DRW

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A3B11825	A3B1182501	Z	MSB	AW30014121	PP P/PCB	CFR136	608 P/PCB	A00151	A00152	_____	5.00	1000.0000	1.00
A3B11825	A3B1182502	Z	MBLK	AW30014122	PP P/PCB	CFR136	608 P/PCB	A00151	_____	_____	5.00	1000.0000	1.00
A03-9953	A3995302	A	FS	AW30014123	608P/PCB	CFR136	608	A00151	_____	_____	7.00	1050.0000	1.00
A3B11825	A3B1182501		MSB	AW30014124	608P/PCB	CFR136	608	A00151	A00152	_____	5.00	1000.0000	1.00
A3B11825	A3B1182502		MBLK	AW30014125	608P/PCB	CFR136	608	A00151	_____	_____	5.00	1000.0000	1.00

Comments:

GC INJECTION LOG BOOK

INSTRUMENT ID HP5890-18 COLUMN ID'S A RTXCLP1 B RTXCLPII SEQUENCE 29

SYRINGE LOT # SOLVENT LOT #

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
10/23/03		1CM42 MG							(B)	AOK BOK
mm		48 LC								AOK BOK
		54 NJ				380				AOK BOK
		66 DJ								A 1260↑, 1016 OK B ~~1016 OK~~ 1016 OK 1260↑
		25 MR						changed line		(A) alpha chlordane ↓, Aldehyde ↓ (B) Several Low Aldehyde OK
	9527	AW30013568	5					TXP'A"	(B)	
	9263	13553	10							
		1CM25MR				385				AOK B some low.
		3 DAG	2							AOK BOK
		1KD								AOK BOK
	9656	AW30013563								
		13564								
		13565				390				
	QC	14121		batch 11825						
		14122								
	A223	14408								
	QC	14409								
		14410				395				
		14411								
	A130	14367								
		1CM25MR								(A) OK (B) Hept/DDT/mech ↓
		3 DAG	2							OK OK
		AW30014368				400				
		14369								
	QC	14370		batch for A130						
		14371								
		14372								

227/439

000078

GC INJECTION LOG BOOK

INSTRUMENT ID HP5890-18 COLUMN ID'S A RTXCLPL B RTXCLPTL SEQUENCE 29

SYRINGE LOT # SOLVENT LOT #

DATE & INIT.	JOB #	A VIAL ID	A DF	B VIAL ID	B DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
		~~ICAL 25 MS~~		10/24/03				10/24/03		
		~~3 DAG~~	2							
10/24/03	9806	AW300 13999				427		DX01		Cu++
		Hexane								
	9953	AW300 14123								Cu++
		Hexane				430				
	9900	AW300 14105								Cu++
		14106	100							
		14107	10							
		14108	20							
		14109				435				
		Hexane								
10/25/03	PEM	ICM 1KD								AOK BOK
	CCV	25MS								AOK B delta 0
	IBLK	3DAG	2							ADCBP +15.5 BOK
	CCV	66DJ				440				
	9978	AW300 14110	50							Cu++
		14111	4							
		14112								
		14113								
		14114				445				
		14115					X			
	CCV	ICM 25MS								AOK BOK
	IBLK	3DAG	2							AOK BOK
	CCV	32ZA	0.5							Pattern Check ⓐ ok ⓑ ↑
	9981	AW300 14116	2			450				
		14117	2							

INSTRUMENT ID HP5890-10 COLUMN ID'S A RTX-CLP B RTX-CLP SEQUENCE 29

SYRINGE LOT # SOLVENT LOT

DATE & INIT.	JOB #	A VIAL ID	A DF	B VIAL ID	B DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
8/25/03	9981	AW300 14118	2			452		1XDA	B	
	↓	↓ 14119	2			.				
		— Hexane				.				
	9981	AW300 14120				455				CW++
		ICM 1KD				.				AOK BOK
		25MS				.				AOK B Some b
		3DAG	2			.				ADCBP↑ B DCBP↑
		↓ 54NJ	0.5			.				AOK BOK
10/26/03		ICM 1KD				460				AOK BOK
MW		25MS				.				AOK A Some lower.
		↓ 3DAG	2			.				ADK BOK
	A057	AW300 14294				.				
	↓	↓ 14295				.				
		14296				465				
		14297				.				
	↓	↓ 14298				.				
	A209	14434				.				
	QC	14435				.				
	↓	14436				470				
	↓	14437				.				
	A212	↓ 14438				.				
		ICM 5MS				.				
		↓ 3DAG	2			.				A. OK B. OK
	A927	AW300 14444				475				DCB↑ OK
	↓	↓ 14442				.				
		14443				.				
		↓ 14444				.		↓	↓	

SEVERN TRENT LABORATORIES, INC. – BUFFALO

000079

REVIEWED BY

229/439

GC INJECTION LOG BOOK

INSTRUMENT ID HP5880-18 COLUMN ID'S A RTXCLPI B RTXCLPII SEQUENCE 29

SYRINGE LOT # SOLVENT LOT #

DATE & INIT.	JOB #	A VIAL ID	A DF	B VIAL ID	B DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
	A227	AW300 14439						TXD A	Y	
	9978	14110	6			480				
	9806	14004	400							
	9850	14009								
		14010	5							
		14011	100							
		ICM IKD				485				A OK OK DCB↑ alachlor ↑ ↑ (15.4) OK 1016↑
		25 MS								B OK Delta ↓ DCB↑ OK OK ↑ (15.2) OK
		3 DAG	2							
		26GA								
		42 MC								
		48 LC				490				
		54 NJ								
		66 DJ								
	9850	AW300 14012						TXD A		
	9953	14123	2							
	9900	14105				495				copper treated copper treats
	9886	13999								
		hexane								
		ICM 25 MS								A ok ↓ DCBP ↓ all flounded
		↓ 3 DAG	2							B Heptachlor ↑ DCBP ↑
	9981	AW300 14116				500		TXD-A		
		14117								
		14118								
		14119								
		ICM 25 MS								A OK B OK
		↓ 3 DAG	2			FOS				

230/439

Wet Chemistry Data

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998105

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	10.7				410.4	10/17/2003
Chloride	MG/L	1.0	U			325.2	10/22/2003
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003
Total Dissolved Solids	MG/L	10	U			160.1	10/17/2003
Total Organic Carbon	MG/L	1.0	U			415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	10	U			9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: FBSW101403

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3999905

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0014	B			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998101

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	14.1				410.4	10/17/2003
Chloride	MG/L	1820				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	1.6				353.2	10/15/2003
Total Dissolved Solids	MG/L	3170				160.1	10/17/2003
Total Organic Carbon	MG/L	1.9				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	50.2				9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

SW-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3999901

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0051	B			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998102

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.5				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	20.9				410.4	10/17/2003
Chloride	MG/L	1830				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	1.5				353.2	10/15/2003
Total Dissolved Solids	MG/L	3580				160.1	10/17/2003
Total Organic Carbon	MG/L	1.8				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	151				9020	10/23/2003
Total Recoverable Phenolics	MG/L	0.0097				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3999902

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0017	B			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998103

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003
Chemical Oxygen Demand	MG/L	29.0				410.4	10/17/2003
Chloride	MG/L	2440				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	1.5				353.2	10/15/2003
Total Dissolved Solids	MG/L	4680				160.1	10/17/2003
Total Organic Carbon	MG/L	1.7				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	250				9020	10/24/2003
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

SW-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3999903

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: SW-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3998104

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	3.0				405.1	10/16/2003
Chemical Oxygen Demand	MG/L	39.1				410.4	10/17/2003
Chloride	MG/L	3080				325.2	10/16/2003
Nitrogen, Nitrate	MG/L-N	1.5				353.2	10/15/2003
Total Dissolved Solids	MG/L	6040				160.1	10/17/2003
Total Organic Carbon	MG/L	1.6				415.1	10/22/2003
Total Organic Halides (Tox)	UG/L	60.1				9020	10/25/2003
Total Recoverable Phenolics	MG/L	0.0084				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

SW-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3999904

% Solids: 0.0 Date Samp/Recv: 10/14/2003 10/15/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.0088	B			335.3	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1181202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	2.0	U			405.1	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1189502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	5.0	U			410.4	10/17/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1183502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	1.0	U			325.2	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1205502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	1.0	U			325.2	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1178202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	0.50	U			353.2	10/15/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1186502

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	10	U			160.1	10/17/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1212902

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	1.0	U			415.1	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1214203

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1220103

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/24/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1223403

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/25/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1203702

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1235002

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.0050	U			420.2	10/28/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Extractor Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1214202

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

Extractor Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1220102

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/24/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: Extractor Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1223402

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	10	U			9020	10/25/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1181201

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Biochemical Oxygen Demand	MG/L	182				405.1	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1189501

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chemical Oxygen Demand	MG/L	73.9				410.4	10/17/2003

Comments:

_____

_____

_____

_____

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1183501

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	23.4				325.2	10/16/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1205501

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Chloride	MG/L	23.5				325.2	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1178201

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Nitrogen, Nitrate	MG/L-N	2.4				353.2	10/15/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1186501

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Dissolved Solids	MG/L	482				160.1	10/17/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

LCS

Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1212901

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/L	54.9				415.1	10/22/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1214201

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	109				9020	10/23/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.

LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1220101

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	116				9020	10/24/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1223401

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Halides (Tox)	UG/L	116				9020	10/25/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1203701

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.051				420.2	10/21/2003

Comments:

Kin-Buc Landfill
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Matrix (soil/water): WATER Lab Sample ID: A3B1235001

% Solids: 0.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.055				420.2	10/28/2003

Comments:

SDG: 1003SW
Client Sample ID: Method Blank
Lab Sample ID: A3B1181202
LCS
A3B1181201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	182.0	198.0	92	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank
Lab Sample ID: A381189502

LCS
A381189501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 410.4 - CHEMICAL OXYGEN DEMAND - 5.0MG	MG/L	73.90	75.00	98	90-110

* Indicates Result is outside QC Limits
NC = Not Calcu ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1183502 A3B1183501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	23.40	25.00	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1205502 A3B1205501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS 325.2 - CHLORIDE - RL= 1.0 MG/L	MG/L	23.50	25.00	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calcul ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank
Lab Sample ID: A3B1178202

LCS
A3B1178201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.35	2.50	94	90-110

Z/3/439

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1186502 A3B1186501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.1 - TOTAL DISSOLVED SOLIDS	MG/L	482.0	500.0	96	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank
Lab Sample ID: A3B1212902

LCS
A3B1212901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 415.1 - TOTAL ORGANIC CARBON RL	MG/L	54.93	60.00	92	90-110

7/5/439

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
lient Sample ID: Method Blank LCS
Lab Sample ID: A3B1214203 A3B1214201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	109.1	100.0	109	75-125

* Indicates Res[illegible] is outside QC Limits
NC = Not Calcu[illegible] ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1220103 A3B1220101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	116.0	100.0	116	75-125

2/1/439

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1223403 A3B1223401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9020 - TOTAL ORGANIC HALIDES 10	UG/L	116.0	100.0	116	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
lient Sample ID: Method Blank LCS
Lab Sample ID: A3B1203702 A3B1203701

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0511	0.0500	102	90-110

2.79/4.39

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 1003SW
Client Sample ID: Method Blank LCS
Lab Sample ID: A3B1235002 A3B1235001

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2-TOTAL RECOVERABLE PHENOLI	MG/L	0.0550	0.0500	110	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1181202 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 07:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/16/2003	07:00
2	LCS	A3B1181201	10/16/2003	07:00
3	SW-01	A3998101	10/16/2003	07:00
4	SW-02	A3998102	10/16/2003	07:00
5	SW-03	A3998103	10/16/2003	07:00
6	SW-04	A3998104	10/16/2003	07:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1189502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/17/2003 Time Analyzed (1): 11:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/17/2003	11:00
2	LCS	A3B1189501	10/17/2003	11:00
3	SW-01	A3998101	10/17/2003	11:00
4	SW-02	A3998102	10/17/2003	11:00
5	SW-03	A3998103	10/17/2003	11:00
6	SW-04	A3998104	10/17/2003	11:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1183502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/16/2003 Time Analyzed (1): 13:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	LCS	A3B1183501	10/16/2003	13:35
2	SW-01	A3998101	10/16/2003	13:35
3	SW-02	A3998102	10/16/2003	13:35
4	SW-03	A3998103	10/16/2003	13:35
5	SW-04	A3998104	10/16/2003	13:35

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1205502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 11:01

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/22/2003	11:01
2	LCS	A3B1205501	10/22/2003	11:01

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1178202 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/15/2003 Time Analyzed (1): 22:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/15/2003	22:00
2	LCS	A3B1178201	10/15/2003	22:00
3	SW-01	A3998101	10/15/2003	22:00
4	SW-02	A3998102	10/15/2003	22:00
5	SW-03	A3998103	10/15/2003	22:00
6	SW-04	A3998104	10/15/2003	22:00

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1186502 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/17/2003 Time Analyzed (1): 07:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/17/2003	07:30
2	LCS	A3B1186501	10/17/2003	07:30
3	SW-01	A3998101	10/17/2003	07:30
4	SW-02	A3998102	10/17/2003	07:30
5	SW-03	A3998103	10/17/2003	07:30
6	SW-04	A3998104	10/17/2003	07:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1212902 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/22/2003 Time Analyzed (1): 13:10

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/22/2003	13:10
2	LCS	A3B1212901	10/22/2003	13:10
3	SW-01	A3998101	10/22/2003	13:10
4	SW-02	A3998102	10/22/2003	13:10
5	SW-03	A3998103	10/22/2003	13:10
6	SW-04	A3998104	10/22/2003	13:10

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1214203 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/23/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1214202	10/23/2003	15:30
2	LCS	A3B1214201	10/23/2003	15:30
3	SW-02	A3998102	10/23/2003	15:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

269439

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1220103 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/24/2003 Time Analyzed (1): 15:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1220102	10/24/2003	15:30
2	FBSW101403	A3998105	10/24/2003	15:30
3	LCS	A3B1220101	10/24/2003	15:30
4	SW-01	A3998101	10/24/2003	15:30
5	SW-03	A3998103	10/24/2003	15:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1223403 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/25/2003 Time Analyzed (1): 14:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	Extractor Blank	A3B1223402	10/25/2003	14:30
2	LCS	A3B1223401	10/25/2003	14:30
3	SW-04	A3998104	10/25/2003	14:30

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1203702 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/21/2003 Time Analyzed (1): 19:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	FBSW101403	A3998105	10/21/2003	19:02
2	LCS	A3B1203701	10/21/2003	19:02
3	SW-02	A3998102	10/21/2003	19:02
4	SW-03	A3998103	10/21/2003	19:02
5	SW-04	A3998104	10/21/2003	19:02

Comments: _____

KIN-BUC LANDFILL
WET CHEMISTRY
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1003SW

Lab Sample ID: A3B1235002 Lab File ID: _____

Matrix: (soil/water) WATER Instrument ID (1): _____

Date Analyzed (1): 10/28/2003 Time Analyzed (1): 20:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	TIME ANALYZED
1	LCS	A3B1235001	10/28/2003	20:20
2	SW-01	A3998101	10/28/2003	20:20

Comments: _____

Appendix A

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 96598

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

November 9, 2003

Mr. Pat Filey
Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Re: Laboratory Project No.: 23012
Case: 23012 ETR: 96598 Job: NY0A8575.2

Dear Mr. Filey:

Enclosed are the analytical results of samples received intact by Severn Trent Laboratories on October 17, 2003. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/17/03	ETR No: 96598	
546773	SW-01	10/14/03	Water
546774	SW-02	10/14/03	Water
546775	SW-03	10/14/03	Water
546776	SW-04	10/14/03	Water
546777	FBSW101403	10/14/03	Water
546778	GEI-6G	10/14/03	Water
546779	GEI-6S	10/14/03	Water
546780	WE-5R	10/14/03	Water
546780MS	WE-5RMS	10/14/03	Water
546780MD	WE-5RMSD	10/14/03	Water
546781	FB101403	10/14/03	Water
546782	GEI-10G	10/15/03	Water
546783	WE-10R	10/15/03	Water
546784	WE-10S	10/15/03	Water
546785	WE-7R	10/15/03	Water
546786	WE-7S	10/15/03	Water
546787	FB101503	10/15/03	Water

Documentation that identifies the condition of the samples at the time of sample receipt and the issues arising at the time of sample log-in is included in the Sample Handling section of this submittal.

RSK-175 – Dissolved Gases:
The volatile analyses of the field samples GEI-6G, GEI-6S, GEI-10G and WE-7S were accomplished at dilutions in order to provide quantitation for all target analytes within the calibration range of the instrument. The results of the dilution analyses were within the calibration range.

RSK-175 – Dissolved Gases (cont.):
Please note that no exceptions to the method prescribed quality control criteria were observed during the analyses of the samples in this delivery group.

If there are any questions regarding this submittal, please contact Ron Pentkowski at (802) 655-1203.

This report shall not be reproduced, except in full, without the written approval of the laboratory. This report is sequentially numbered starting with page 0001 and ending with page 0130.

I certify that this package is in compliance with the NELAC requirements, both technically and for completeness, for other than the conditions detailed above. The release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

0001B - last alpha

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 030

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
SW-01	A3A00001	SW	RSK	3-40mlV	10/14/2003 13:35
SW-02	A3A00002	SW	RSK	3-40mlV	10/14/2003 13:10
SW-03	A3A00003	SW	RSK	3-40mlV	10/14/2003 12:40
SW-04	A3A00004	SW	RSK	3-40mlV	10/14/2003 12:00
FBSW101403	A3A00005	SW	RSK	3-40mlV	10/14/2003 09:00

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Vermont: Signature(s)	Date	Time
(1)	10/16/2003	1800	(3)	10/17/2003	1045
(2)	/ /20		(4)	/ /20	

297/439

Date: 10/16/03
Time: 09:11:12

STL Buffalo
Job Test Profiles

Job No: A03-A000 Waste Management - Closed Sites
Project/Task: NY0A8575.2 1 Kin-Buc Monitoring Plan - Surface Water
Test No: CTA10847

Fraction: GV
Method: RSK175
Protocol: OTHER
Test Matrix: Water
Level: L
GC Second Column: N
TCLP: N
Spike Code: A00258
SUR/IS Code: NONE NONE
TDL Calculation: ADL/CDL

Holding Type: S
TCLP Extraction: 0.00 Days
Pre-Conc: 0.00 Days
Extraction: 0.00 Days
Analysis: 14.00 Days
Prep Type: N
Extr:
GPC Cleanup?: N
Units of Measure: UG/L

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

Date: 10/ /2003
Time: 17:57:01

STL Buffalo
Internal Chain of Custody

Page: 1
Report: AN0093

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 027

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-6G	A3999701	GW	RSK	3-40mlV	10/14/2003 09:28
GEI-6S	A3999702	GW	RSK	3-40mlV	10/14/2003 14:21
WE-5R	A3999703	GW	RSK	3-40mlV	10/14/2003 11:54
WE-5R MS	A3999703MS	GW	RSK	3-40mlV	10/14/2003 11:54
WE-5R SD	A3999703SD	GW	RSK	3-40mlV	10/14/2003 11:54
FB101403	A3999704	WATER	RSK	3-40mlV	10/14/2003 07:45

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Vermont: Signature(s)	Date	Time
(1)	10/16/2003	1800	(3)	10/17/2003	1045
(2)	/ /20		(4)	/ /20	

299/439

Date: 10/16/03 STL Buffalo Page: 1
Time: 17:37:03 Job Test Profiles Rept: AN0095

Job No: A03-9997 Waste Management - Closed Sites
Project/Task: NY0A8575.2 2 Kin-Buc Monitoring Plan - Groundwater
Test No: CTA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits - % REC	QC Limits - RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

Date: 10/[redacted]/2003
Time: 17[redacted]:27

STL [redacted]falo
Internal Cha[redacted] of Custody

P[redacted]: 1
R[redacted]: AN0093

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 034

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GEI-10G	A3A03201	GW	RSK	3-40mlV	10/15/2003 12:22
WE-10R	A3A03202	GW	RSK	3-40mlV	10/15/2003 13:26
WE-10S	A3A03203	GW	RSK	3-40mlV	10/15/2003 14:16
WE-7R	A3A03204	GW	RSK	3-40mlV	10/15/2003 09:42
WE-7S	A3A03205	GW	RSK	3-40mlV	10/15/2003 10:35
FB101503	A3A03206	WATER	RSK	2-40mlV	10/15/2003 08:00

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Vermont: Signature(s)	Date	Time
(1)	10/16/2003	1800	(3)	10/17/2003	1045
(2)	/ /20		(4)	/ /20	

SEVERN TRENT STL

RSK-175

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-6G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546778

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R051

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3300	
74-84-0	Ethane	40	U
74-85-1	Ethene	30	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-6S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546779

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R061

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3600	
74-84-0	Ethane	40	U
74-85-1	Ethene	30	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R201

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	20	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FB101403

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546781

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R231

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-10G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546782

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R071

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 40.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	6600	
74-84-0	Ethane	160	U
74-85-1	Ethene	120	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-10R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546783

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R251

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	92	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-10S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546784

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R261

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	110	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-7R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546785

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R271

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-7S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546786

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R081

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3100	
74-84-0	Ethane	61	
74-85-1	Ethene	30	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FB101503

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546787

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R301

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-01

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546773

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R131

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3.1	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-02

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546774

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R141

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.2	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-03

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546775

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R151

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.5	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-04

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546776

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R161

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.2	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FBSW101403

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546777

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R171

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKG6

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: ABLKG6

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R051

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKG7

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: ABLKG7

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R041

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G6LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G6LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	70	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G6LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G6LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	69	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G7LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G7LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	77	
74-84-0	Ethane	160	
74-85-1	Ethene	150	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G7LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G7LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	75	
74-84-0	Ethane	150	
74-85-1	Ethene	140	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5RMS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780MS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R211

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	82	
74-84-0	Ethane	110	
74-85-1	Ethene	98	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5RMSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780MD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R221

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	80	
74-84-0	Ethane	120	
74-85-1	Ethene	100	

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - STLNYB Sample No.: WE-5R

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Methane	73	20	82	85	70-130
Ethane	140	0.0	110	78	70-130
Ethene	130	0.0	98	75	70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	80	82	4	30	70-130
Ethane	140	120	86	10	30	70-130
Ethene	130	100	77	3	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - Sample No.: G6LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		70	96	70-130
Ethane	140		140	100	70-130
Ethene	130		130	100	70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	69	94	2	30	70-130
Ethane	140	140	100	0	30	70-130
Ethene	130	130	100	0	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - Sample No.: G7LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		77	105	70-130
Ethane	140		160	114	70-130
Ethene	130		150	115	70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	75	103	2	30	70-130
Ethane	140	150	107	6	30	70-130
Ethene	130	140	108	6	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKG6

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Lab File ID: 27OCT031355-R051 Lab Sample ID: ABLKG6

Date Analyzed: 10/27/03 Time Analyzed: 1453

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G6LCS	G6LCS	27OCT031355-	1439
02	G6LCSD	G6LCSD	27OCT031355-	1442
03	SW-01	546773	28OCT030909-	1043
04	SW-02	546774	28OCT030909-	1047
05	SW-03	546775	28OCT030909-	1051
06	SW-04	546776	28OCT030909-	1057
07	FBSW101403	546777	28OCT030909-	1101
08	WE-5R	546780	28OCT030909-	1115
09	WE-5RMS	546780MS	28OCT030909-	1119
10	WE-5RMSD	546780MD	28OCT030909-	1126
11	FB101403	546781	28OCT030909-	1130
12	WE-10R	546783	28OCT030909-	1140
13	WE-10S	546784	28OCT030909-	1144
14	WE-7R	546785	28OCT030909-	1148
15	FB101503	546787	28OCT030909-	1202
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

CLIENT SAMPLE NO.

ABLKG7

FORM 4
VOLATILE METHOD BLANK SUMMARY

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Lab File ID: 28OCT031310-R041 Lab Sample ID: ABLKG7

Date Analyzed: 10/28/03 Time Analyzed: 1343

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G7LCS	G7LCS	28OCT031310-	1333
02	G7LCSD	G7LCSD	28OCT031310-	1337
03	GEI-6G	546778	28OCT031401-	1438
04	GEI-6S	546779	28OCT031401-	1442
05	GEI-10G	546782	28OCT031401-	1448
06	WE-7S	546786	28OCT031401-	1452
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date(s): 10/27/03 10/27/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1318 1406

LAB FILE ID: RF1: 27OCT031255-RRF2: 27OCT031355-RRF3: 27OCT031255-R
RF4: 27OCT031255-RRF5: 27OCT031255-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1738.298	1169.333	1397.274	1349.922	1291.989
Ethane	1174.157	1165.029	1423.963	1372.917	1309.764
Ethene	1492.771	1335.031	1628.362	1548.583	1453.577

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date(s): 10/27/03 10/27/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1318 1406

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Methane	AVRG	1389.36324	15.3
Ethane	AVRG	1289.16608	9.0
Ethene	AVRG	1491.66485	7.3

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date: 10/28/03 Time: 1300

Lab File ID: 28OCT030909-R3 Init. Calib. Date(s): 10/27/03 10/27/03

Heated Purge: (Y/N) N Init. Calib. Times: 1318 1406

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1389.363	1386.082		0.2	30.0
Ethane	1289.166	1407.478		9.2	30.0
Ethene	1491.665	1657.795		11.1	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date: 10/28/03 Time: 1329

Lab File ID: 28OCT031310-R0 Init. Calib. Date(s): 10/27/03 10/27/03

Heated Purge: (Y/N) N Init. Calib. Times: 1318 1406

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1389.363	1409.342		1.4	30.0
Ethane	1289.166	1416.353		9.9	30.0
Ethene	1491.665	1672.024		12.1	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date: 10/28/03 Time: 1536

Lab File ID: 28OCT031519-R0 Init. Calib. Date(s): 10/27/03 10/27/03

Heated Purge: (Y/N) N Init. Calib. Times: 1318 1406

GC Column: RTUPLOT ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
Methane	1389.363	1440.822		3.7	30.0
Ethane	1289.166	1427.875		10.8	30.0
Ethene	1491.665	1663.945		11.5	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

GC Column: RTUPLOT ID: 0.32 (mm) Init. Calib. Date(s): 10/27/03 10/27/03

Instrument ID: 2866_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION	
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	10/27/03	1318		
02	CAL3	CAL3	10/27/03	1326		
03	CAL4	CAL4	10/27/03	1332		
04	CAL5	CAL5	10/27/03	1336		
05	CAL2	CAL2	10/27/03	1406		
06	G6LCS	G6LCS	10/27/03	1439		
07	G6LCSD	G6LCSD	10/27/03	1442		
08	ABLKG6	ABLKG6	10/27/03	1453		
09	SW-01	546773	10/28/03	1043		
10	SW-02	546774	10/28/03	1047		
11	SW-03	546775	10/28/03	1051		
12	SW-04	546776	10/28/03	1057		
13	FBSW101403	546777	10/28/03	1101		
14	WE-5R	546780	10/28/03	1115		
15	WE-5RMS	546780MS	10/28/03	1119		
16	WE-5RMSD	546780MD	10/28/03	1126		
17	FB101403	546781	10/28/03	1130		
18	WE-10R	546783	10/28/03	1140		
19	WE-10S	546784	10/28/03	1144		
20	WE-7R	546785	10/28/03	1148		
21	FB101503	546787	10/28/03	1202		
22	CCV	CCV	10/28/03	1300		
23	CCV	CCV	10/28/03	1329		
24	G7LCS	G7LCS	10/28/03	1333		
25	G7LCSD	G7LCSD	10/28/03	1337		
26	ABLKG7	ABLKG7	10/28/03	1343		
27	GEI-6G	546778	10/28/03	1438		
28	GEI-6S	546779	10/28/03	1442		
29	GEI-10G	546782	10/28/03	1448		
30	WE-7S	546786	10/28/03	1452		
31	CCV	CCV	10/28/03	1536		
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

STL Burlington
Colchester, Vermont

Extended Data Package

SDG: 96598

SEVERN TRENT STL

NARRATIVE

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

November 9, 2003

Mr. Pat Filey
Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Re: Laboratory Project No.: 23012
Case: 23012 ETR: 96598 Job: NY0A8575.2

Dear Mr. Filey:

Enclosed are the analytical results of samples received intact by Severn Trent Laboratories on October 17, 2003. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/17/03 ETR No: 96598		
546773	SW-01	10/14/03	Water
546774	SW-02	10/14/03	Water
546775	SW-03	10/14/03	Water
546776	SW-04	10/14/03	Water
546777	FBSW101403	10/14/03	Water
546778	GEI-6G	10/14/03	Water
546779	GEI-6S	10/14/03	Water
546780	WE-5R	10/14/03	Water
546780MS	WE-5RMS	10/14/03	Water
546780MD	WE-5RMSD	10/14/03	Water
546781	FB101403	10/14/03	Water
546782	GEI-10G	10/15/03	Water
546783	WE-10R	10/15/03	Water
546784	WE-10S	10/15/03	Water
546785	WE-7R	10/15/03	Water
546786	WE-7S	10/15/03	Water
546787	FB101503	10/15/03	Water

Documentation that identifies the condition of the samples at the time of sample receipt and the issues arising at the time of sample log-in is included in the Sample Handling section of this submittal.

RSK-175 – Dissolved Gases:
The volatile analyses of the field samples GEI-6G, GEI-6S, GEI-10G and WE-7S were accomplished at dilutions in order to provide quantitation for all target analytes within the calibration range of the instrument. The results of the dilution analyses were within the calibration range.

RSK-175 – Dissolved Gases (cont.):
Please note that no exceptions to the method prescribed quality control criteria were observed during the analyses of the samples in this delivery group.

If there are any questions regarding this submittal, please contact Ron Pentkowski at (802) 655-1203.

This report shall not be reproduced, except in full, without the written approval of the laboratory. This report is sequentially numbered starting with page 0001 and ending with page 0130.

I certify that this package is in compliance with the NELAC requirements, both technically and for completeness, for other than the conditions detailed above. The release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

0001B - last alpha

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

Job No: A03-A000 Waste Management - Closed Sites
Project/Task: NY0A8575.2 1 Kin-Buc Monitoring Plan - Surface Water
Test No: CIA10847

Fraction: GV
Method: RSK175
Protocol: OTHER
Test Matrix: Water
Level: L
GC Second Column: N
TCLP: N
Spike Code: A00258
SUR/IS Code: NONE NONE
TDL Calculation: ADL/CDL

Holding Type: S
TCLP Extraction: 0.00 Days
Pre-Conc: 0.00 Days
Extraction: 0.00 Days
Analysis: 14.00 Days
Prep Type: N
Extr:
GPC Cleanup?: N
Units of Measure: UG/L

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

Job No: A03-9997 Waste Management - Closed Sites
Project/Task: NY0A8575.2 2 Kin-Buc Monitoring Plan - Groundwater
Test No: CTA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

Job No: A03-A032 Waste Management - Closed Sites
Project/Task: NY0A8575.2 2 Kin-Buc Monitoring Plan - Groundwater
Test No: CTA10847

Fraction:	GV	Holding Type:	S
Method:	RSK175	TCLP Extraction:	0.00 Days
Protocol:	OTHER	Pre-Conc:	0.00 Days
Test Matrix:	Water	Extraction:	0.00 Days
Level:	L	Analysis:	14.00 Days
GC Second Column:	N	Prep Type:	N
TCLP:	N	Extr:	
Spike Code:	A00258	GPC Cleanup?:	N
SUR/IS Code:	NONE NONE	Units of Measure:	UG/L
TDL Calculation:	ADL/CDL		

Seq	Parameter	Description	CDL (UG/L)	Spikes Amount	Spikes Conc	QC Limits % REC	QC Limits RPD
10	74-84-0	Ethane	0.0050				
20	74-85-1	Ethene	0.0050				
30	74-82-8	Methane	0.0150				

SEVERN TRENT STL

RSK-175

QC SUMMARY

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - STLNYB Sample No.: WE-5R

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Methane	73	20	82	85	70-130
Ethane	140	0.0	110	78	70-130
Ethene	130	0.0	98	75	70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	80	82	4	30	70-130
Ethane	140	120	86	10	30	70-130
Ethene	130	100	77	3	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix Spike - Sample No.: G7LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Methane	73		77	105	70-130
Ethane	140		160	114	70-130
Ethene	130		150	115	70-130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Methane	73	75	103	2	30	70-130
Ethane	140	150	107	6	30	70-130
Ethene	130	140	108	6	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 3 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKG7

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Lab File ID: 28OCT031310-R041 Lab Sample ID: ABLKG7

Date Analyzed: 10/28/03 Time Analyzed: 1343

GC Column: RTUPLOT ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G7LCS	G7LCS	28OCT031310-	1333
02	G7LCSD	G7LCSD	28OCT031310-	1337
03	GEI-6G	546778	28OCT031401-	1438
04	GEI-6S	546779	28OCT031401-	1442
05	GEI-10G	546782	28OCT031401-	1448
06	WE-7S	546786	28OCT031401-	1452
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

SEVERN TRENT STL

RSK-175

SUPPORTIVE DOCUMENTATION

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FB101403

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546781

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R231

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r231.d
Lab Smp Id: 546781 Client Smp ID: FB101403
Inj Date : 28-OCT-2003 11:30
Operator : JKN Inst ID: 2866_1.i
Smp Info : FB101403 :[ ]10/14/03 @0745(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

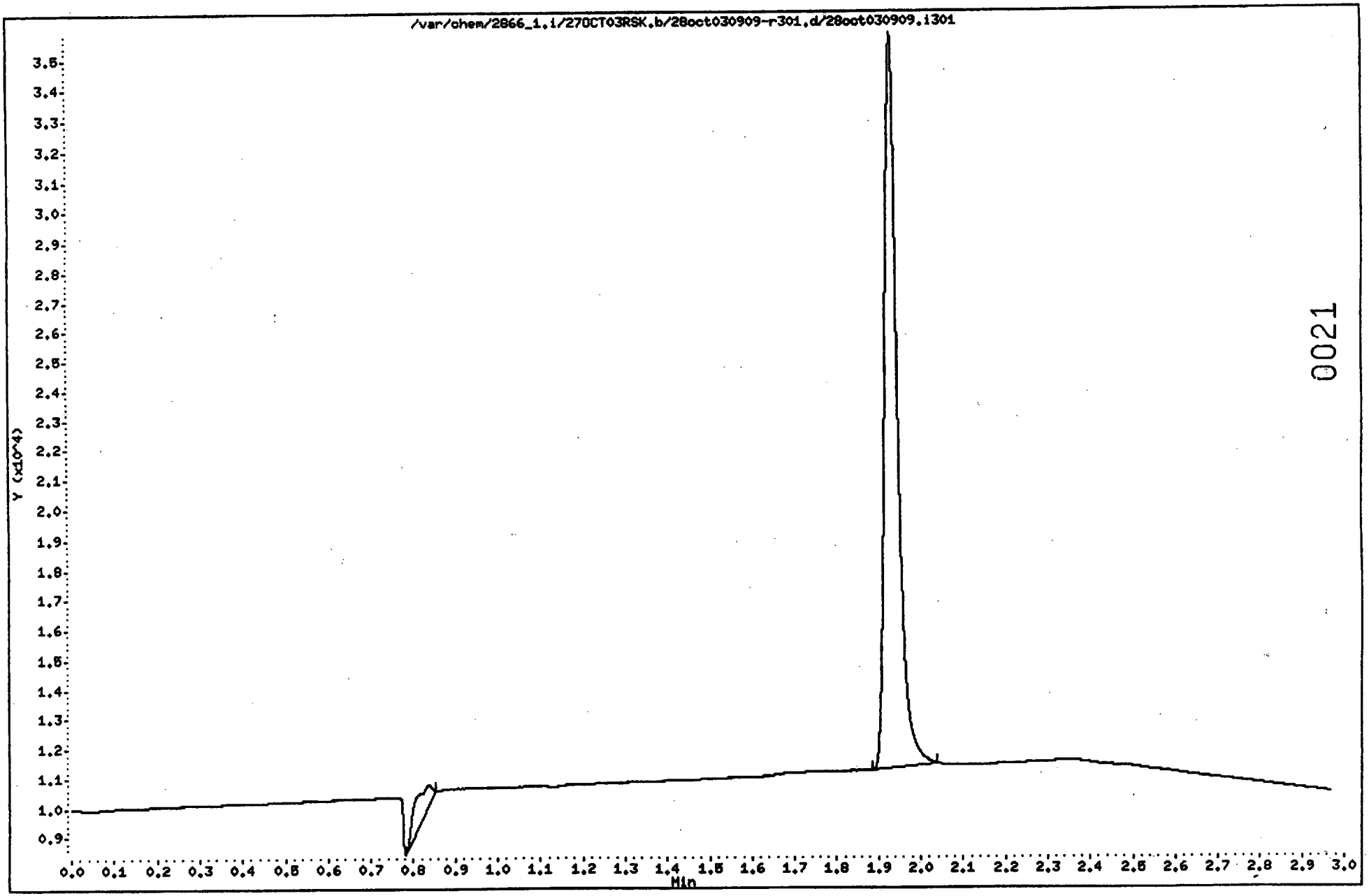
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r301.d
Date : 28-OCT-2003 12:02
Client ID: FB101503
Sample Info: FB101503 :[ ]10/15/03 @0800(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

FBSW101403

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546777

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R171

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r171.d
Lab Smp Id: 546777 Client Smp ID: FBSW101403
Inj Date : 28-OCT-2003 11:01
Operator : JKN Inst ID: 2866_1.i
Smp Info : FBSW101403 :[ ]10/14/03 @0900(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

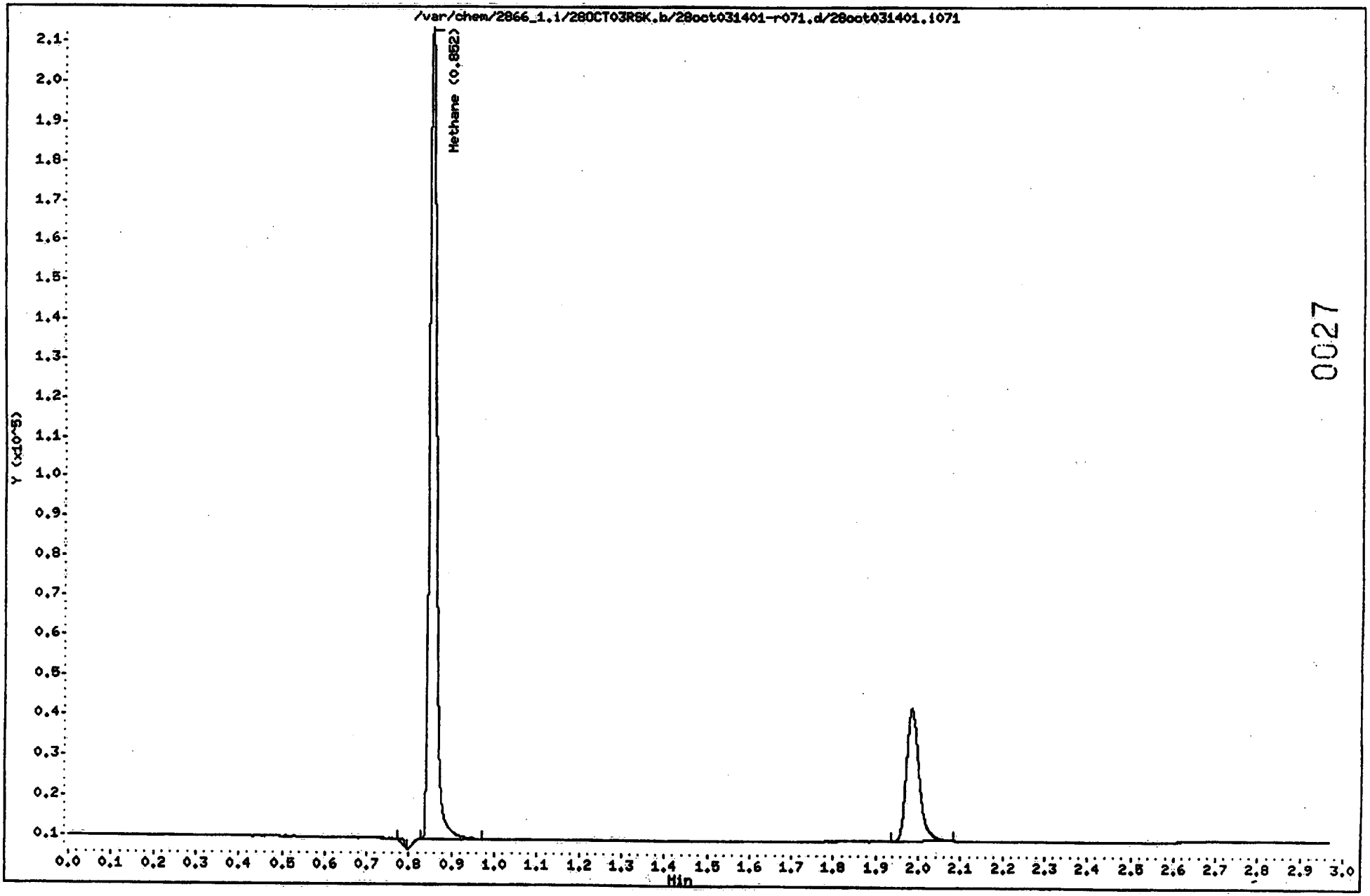
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r071.d
Date : 28-OCT-2003 14:48
Client ID: GEI-10G
Sample Info: GEI-10G ;[ ]10/15/03 @1222(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

GEI-6G

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546778

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R051

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3300	
74-84-0	Ethane	40	U
74-85-1	Ethene	30	U

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r051.d Page 1
Report Date: 03-Nov-2003 21:26

STL Burlington

Data file : /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r051.d
Lab Smp Id: 546778 Client Smp ID: GEI-6G
Inj Date : 28-OCT-2003 14:38
Operator : JKN Inst ID: 2866_1.i
Smp Info : GEI-6G :[ ]10/14/03 @0928(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 21:26 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.854	0.849	0.005	460318	331.316	3300(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

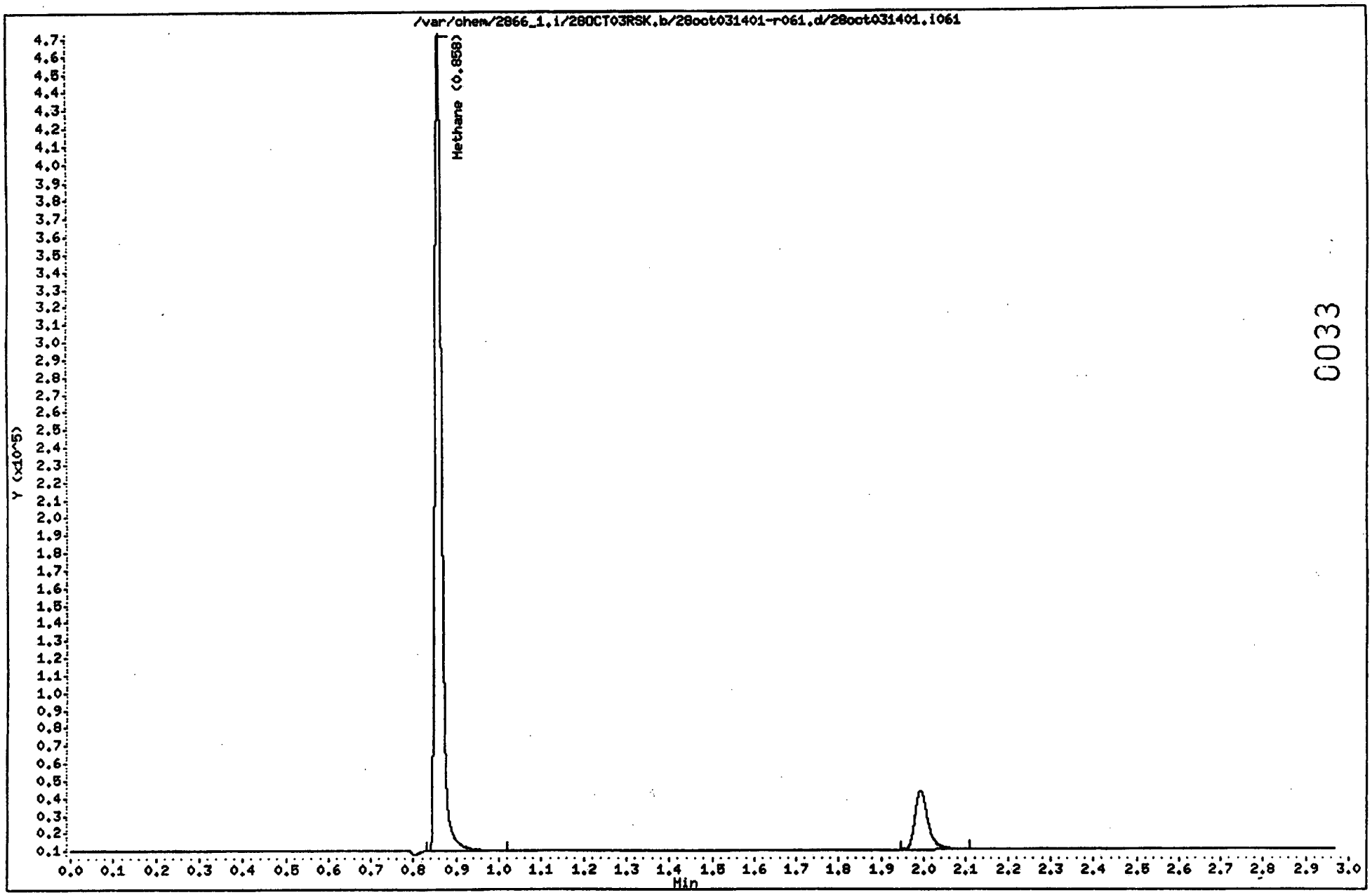
M - Compound response manually integrated.

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r061.d
Date : 28-OCT-2003 14:42
Client ID: GEI-6S
Sample Info: GEI-6S :[ ]10/14/03 @1421(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



0033

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-01

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546773

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R131

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3.1	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r131.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r131.d
Lab Smp Id: 546773 Client Smp ID: SW-01
Inj Date : 28-OCT-2003 10:43
Operator : JKN Inst ID: 2866_1.i
Smp Info : SW-01 :[ ]10/14/03 @1335(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.829	0.849	-0.020	4269	3.07263	3.1(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r141.d

Date : 28-OCT-2003 10:47

Client ID: SW-02

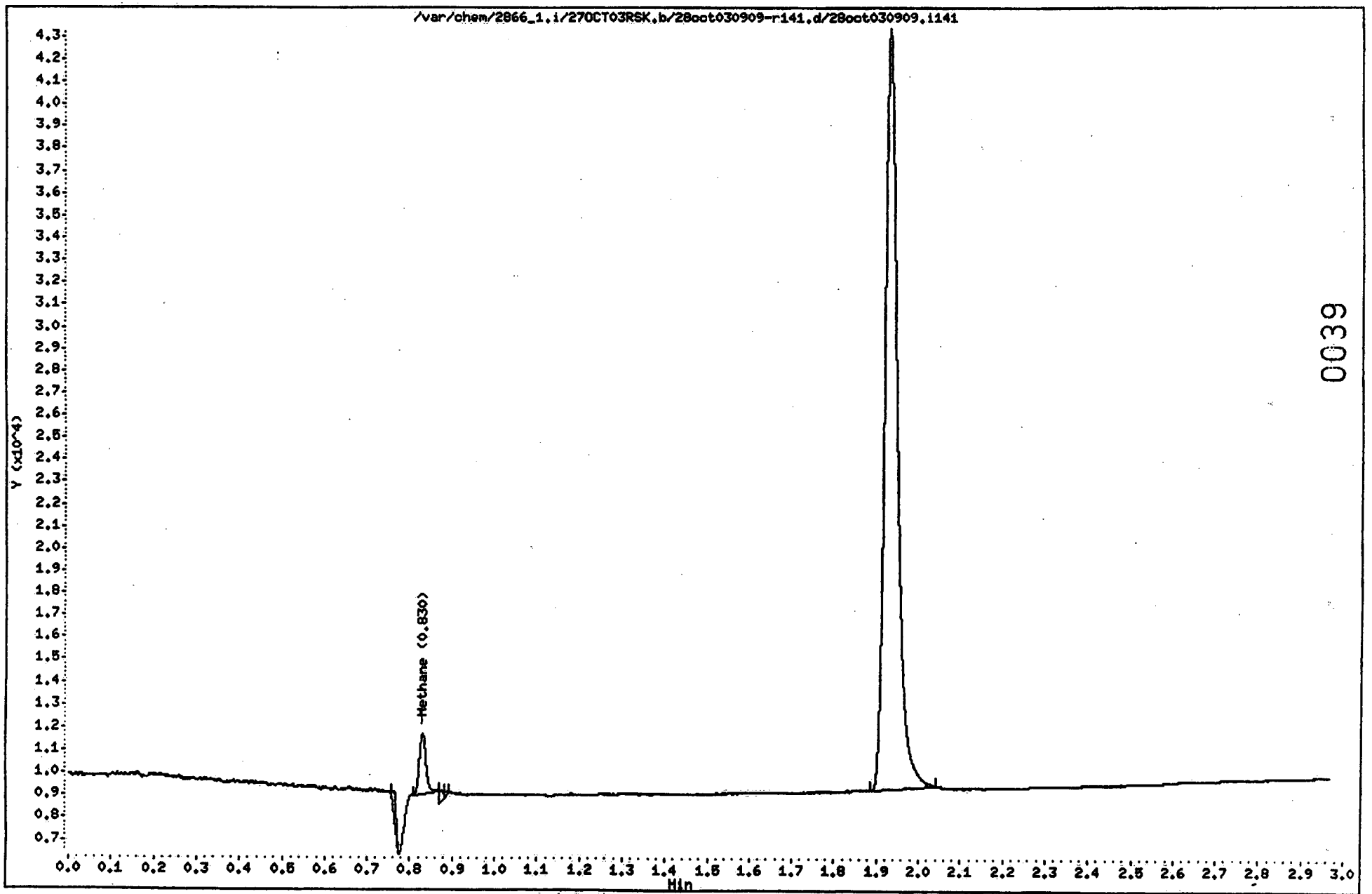
Instrument: 2866_1.i

Sample Info: SW-02 :[J10/14/03 01310(Water)

Operator: JKN

Column phase: RTUPLOT

Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

SW-03

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546775

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R151

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.5	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r151.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r151.d
Lab Smp Id: 546775 Client Smp ID: SW-03
Inj Date : 28-OCT-2003 10:51
Operator : JKN Inst ID: 2866_1.i
Smp Info : SW-03 :[ ]10/14/03 @1240(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.818	0.849	-0.031	3513	2.52850	2.5(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

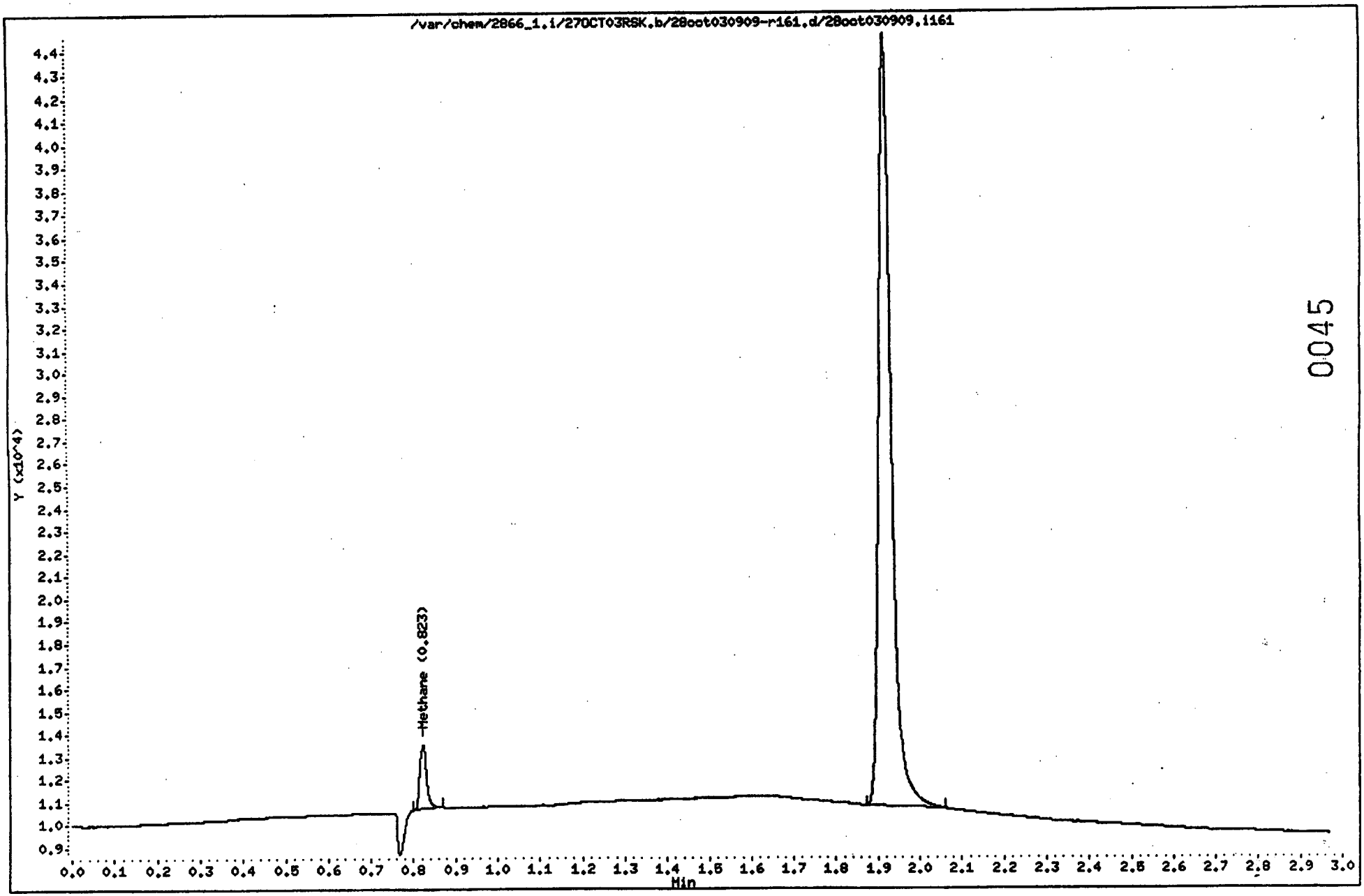
M - Compound response manually integrated.

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r161.d
Date : 28-OCT-2003 10:57
Client ID: SW-04
Sample Info: SW-04 :[ ]10/14/03 @1200(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-10R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546783

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R251

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	92	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r251.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r251.d
Lab Smp Id: 546783 Client Smp ID: WE-10R
Inj Date : 28-OCT-2003 11:40
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-10R :[ ]10/15/03 @1326(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.825	0.849	-0.024	128205	92.2761	92(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

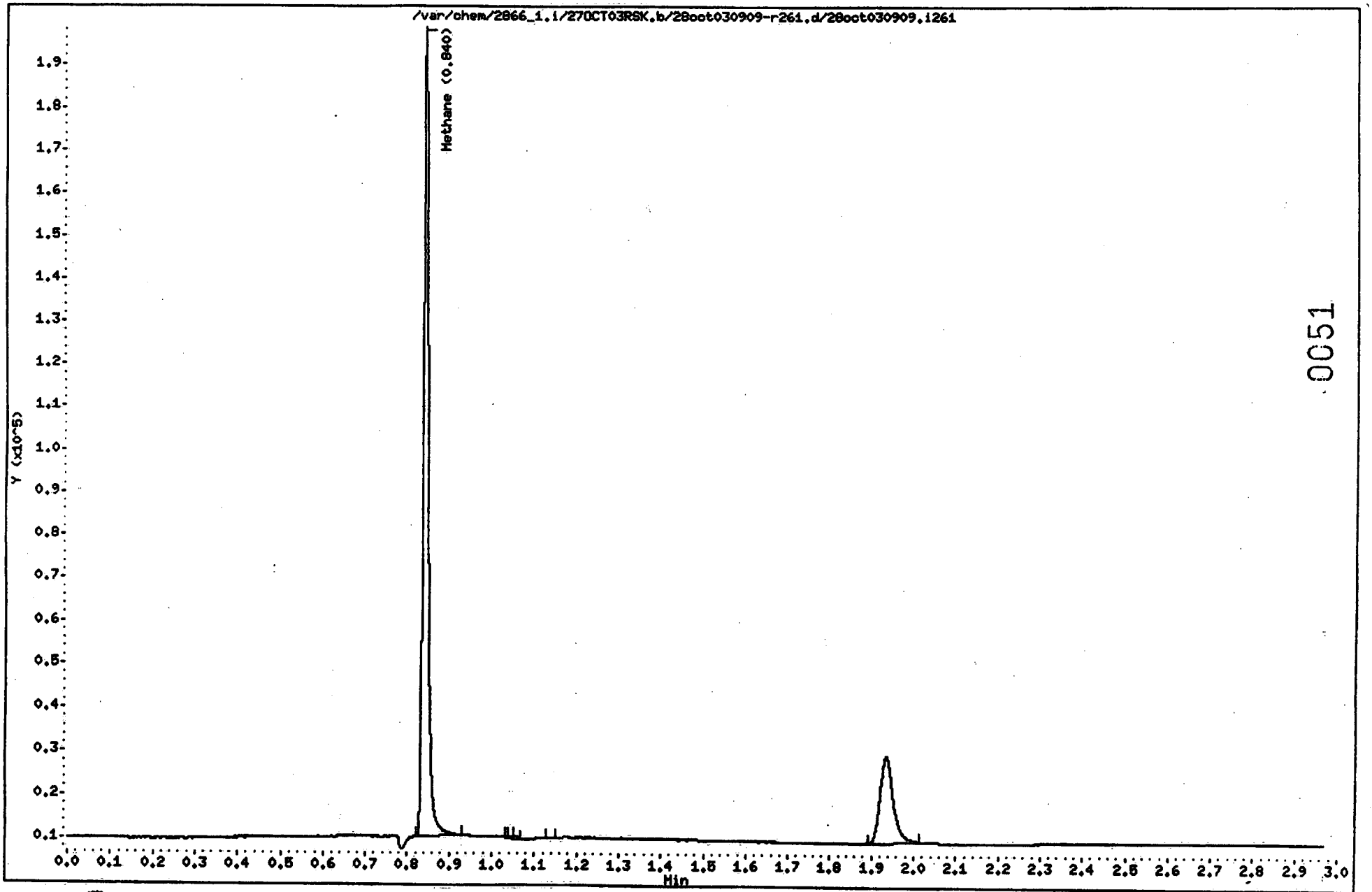
M - Compound response manually integrated.

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r261.d
Date : 28-OCT-2003 11:44
Client ID: WE-10S
Sample Info: WE-10S :[10/15/03 01416(Water)

Instrument: 2866_1.i
Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

367/439



0051

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5R

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R201

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	20	
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r201.d
Lab Smp Id: 546780 Client Smp ID: WE-5R
Inj Date : 28-OCT-2003 11:15
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-5R :[ ]10/14/03 @1154(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.817	0.849	-0.032	27686	19.9271	20(M)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

QC Flag Legend

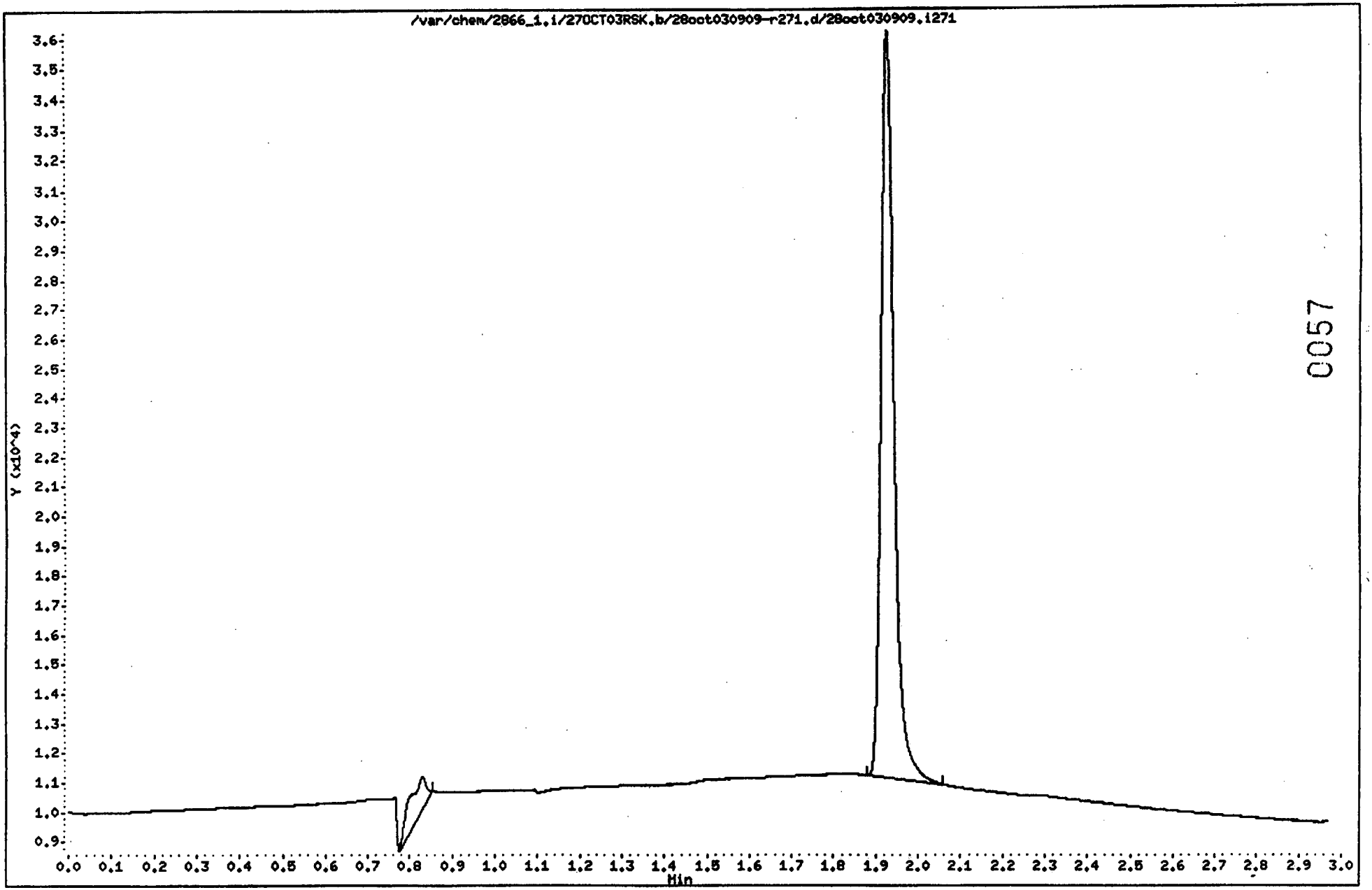
M - Compound response manually integrated.

Da[redacted]le: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r271.d
Date : 28-OCT-2003 11:48
Client ID: WE-7R
Sample Info: WE-7R :[10/15/03 @0942(Water)

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



0057

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-7S

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546786

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031401-R081

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	3100	
74-84-0	Ethane	61	
74-85-1	Ethene	30	U

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r081.d Page 1
Report Date: 03-Nov-2003 21:26

STL Burlington

Data file : /var/chem/2866_1.i/28OCT03RSK.b/28oct031401-r081.d
Lab Smp Id: 546786 Client Smp ID: WE-7S
Inj Date : 28-OCT-2003 14:52
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-7S :[ ]10/15/03 @1035(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 21:26 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.856	0.849	0.007	435870	313.719	3100(M)
2 Ethene	Compound Not Detected.					
3 Ethane	1.537	1.495	0.042	7847	6.08688	61

QC Flag Legend

M - Compound response manually integrated.

SEVERN TRENT STL

RSK-175

STANDARDS

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Instrument ID: 2866_1 Calibration Date(s): 10/27/03 10/27/03

Column: RTUPLOT ID: 0.32 (mm) Calibration Time(s): 1318 1406

LAB FILE ID: RF1: 27OCT031255-RRF2: 27OCT031355-RRF3: 27OCT031255-R
RF4: 27OCT031255-RRF5: 27OCT031255-R

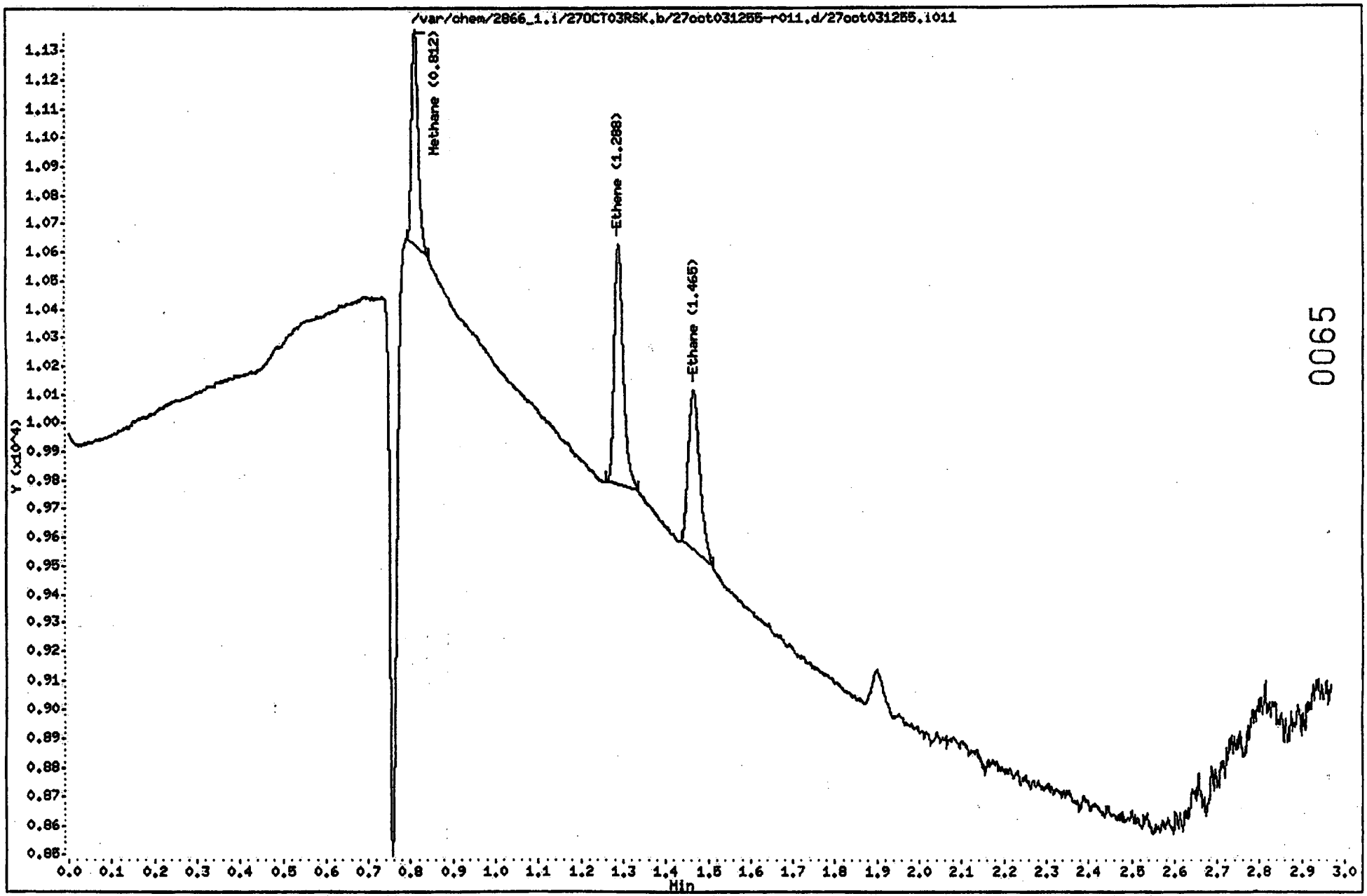
COMPOUND	RF1	RF2	RF3	RF4	RF5
Methane	1738.298	1169.333	1397.274	1349.922	1291.989
Ethane	1174.157	1165.029	1423.963	1372.917	1309.764
Ethene	1492.771	1335.031	1628.362	1548.583	1453.577

Data File: /var/chem/2866_1.i/270CT03RSK.b/27oct031255-r011.d
Date : 27-OCT-2003 13:18
Client ID: CAL1
Sample Info: CAL1,1027G6,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

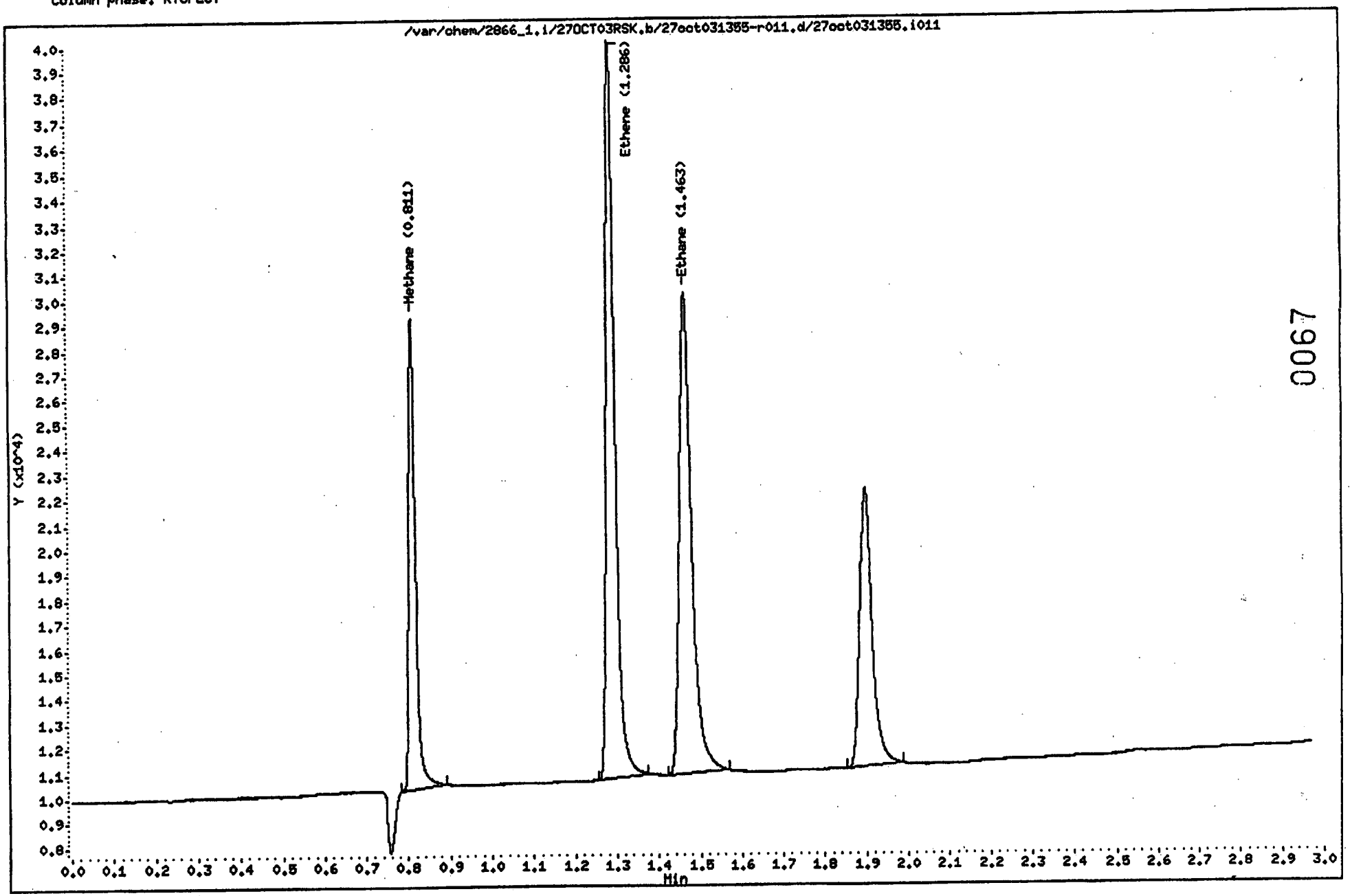


Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r011.d
Date: 27-OCT-2003 14:06
Client ID: CAL2
Sample Info: CAL2,1027C6,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



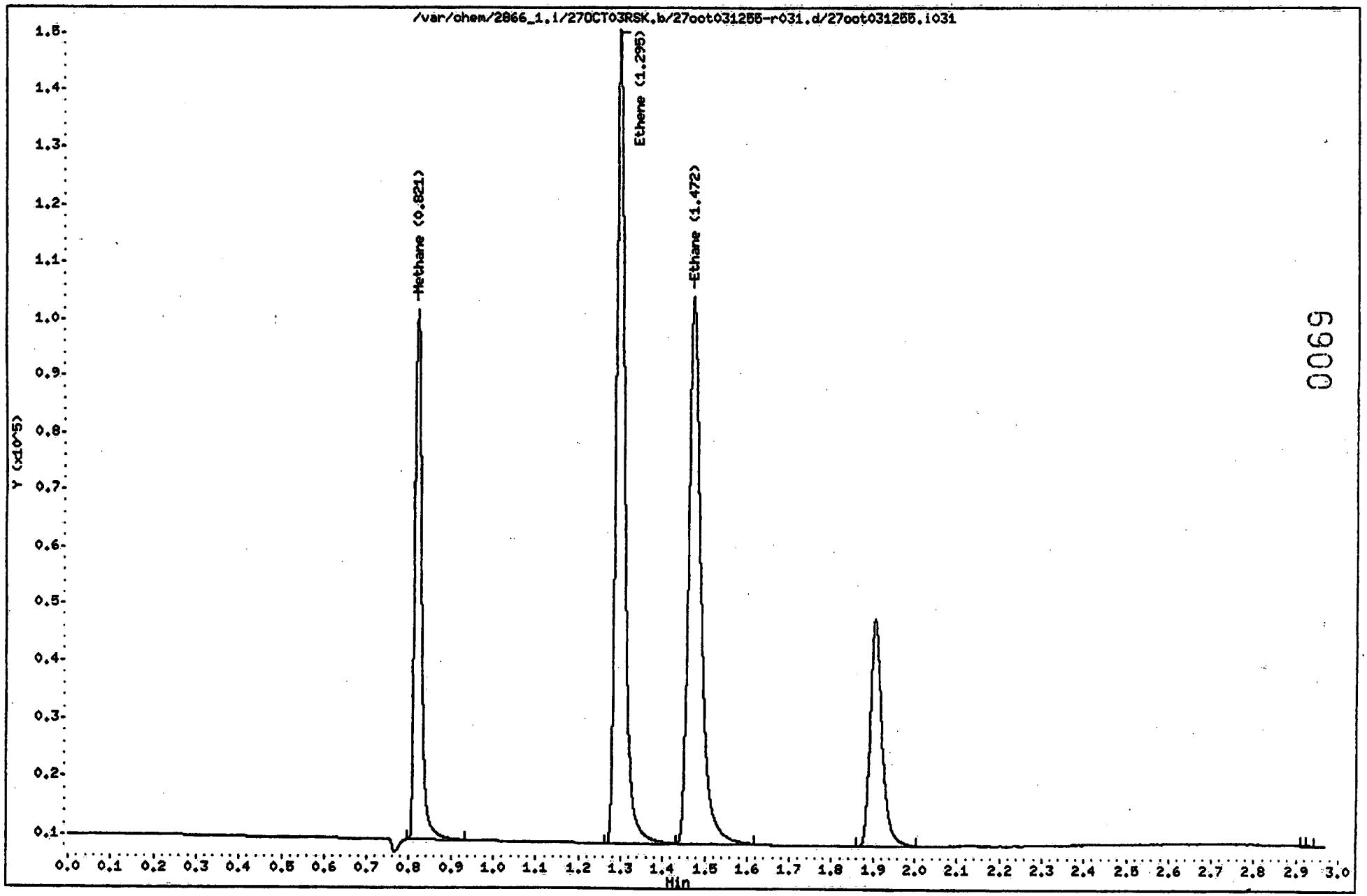
Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r031.d
Date : 27-OCT-2003 13:26
Client ID: CAL3
Sample Info: CAL3,1027C6,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

377/439



Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r041.d
Date : 27-OCT-2003 13:32
Client ID: CAL4
Sample Info: CAL4,1027G6,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

/var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r041.d/27oct031255.1041

Methane (0.821)
Ethene (1.294)
Ethane (1.471)

Y (x10^5)

Min

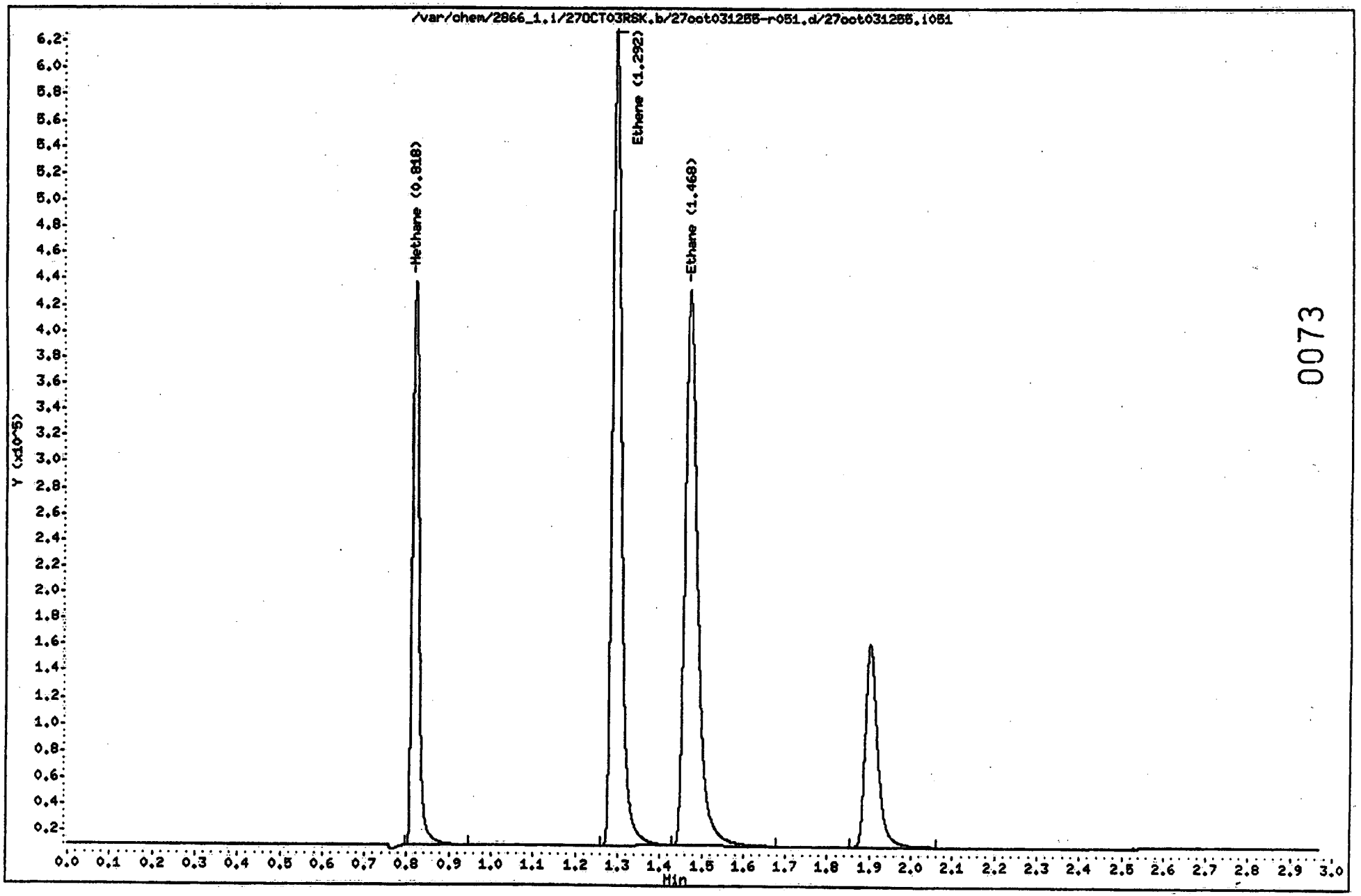
0071

Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r051.d
Date : 27-OCT-2003 13:36
Client ID: CAL5
Sample Info: CAL5,1027G6,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



0073

Report Date : 28-Oct-2003 22:35 Page 1

STL Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 27-OCT-2003 13:18
End Cal Date : 27-OCT-2003 14:06
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Cal Date : 28-Oct-2003 22:35 jd1
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r011.d
Level 2: /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r011.d
Level 3: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r031.d
Level 4: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r041.d
Level 5: /var/chem/2866_1.i/27OCT03RSK.b/27oct031255-r051.d

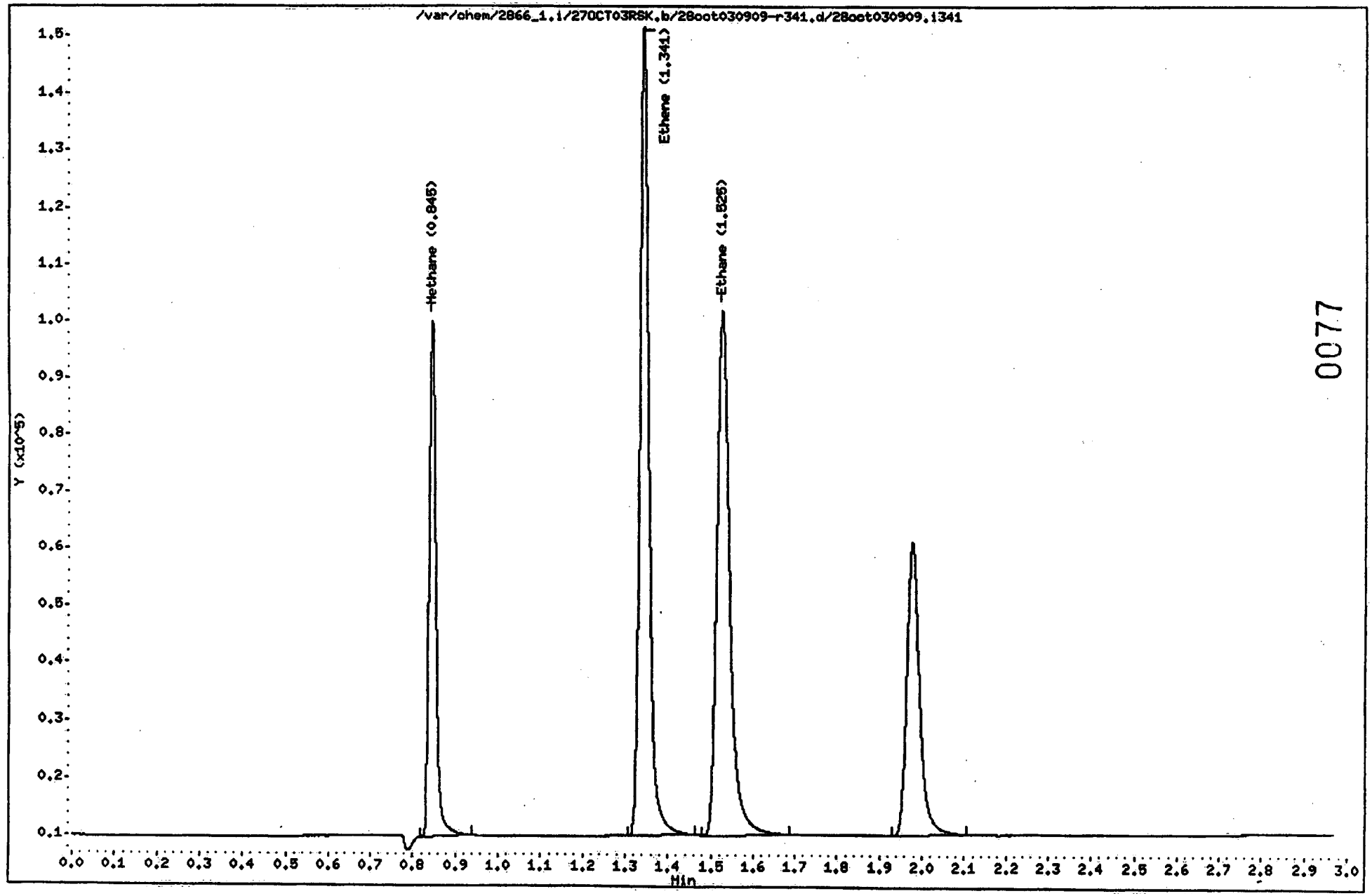
Compound	1.000 Level 1	2.000 Level 2	3.000 Level 3	4.000 Level 4	5.000 Level 5	___ RRF	% RSD
1 Methane	1738	1169	1397	1350	1292	1389	15.322
2 Ethene	1493	1335	1628	1549	1454	1492	7.337
3 Ethane	1174	1165	1424	1373	1310	1289	9.033
4 Acetylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r341.d
Date : 28-OCT-2003 13:00
Client ID: CCV
Sample Info: CCV,1027G6,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



0077

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r34 Page 2
Report Date: 03-Nov-2003 21:20

STL Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 2866_1.i Injection Date: 28-OCT-2003 13:00
Lab File ID: 28oct030909-r34 Init. Cal. Date(s): 27-OCT-2003 27-OCT-2003
Analysis Type: WATER Init. Cal. Times: 13:18 14:06
Lab Sample ID: CCV Quant Type: ESTD
Method: /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m

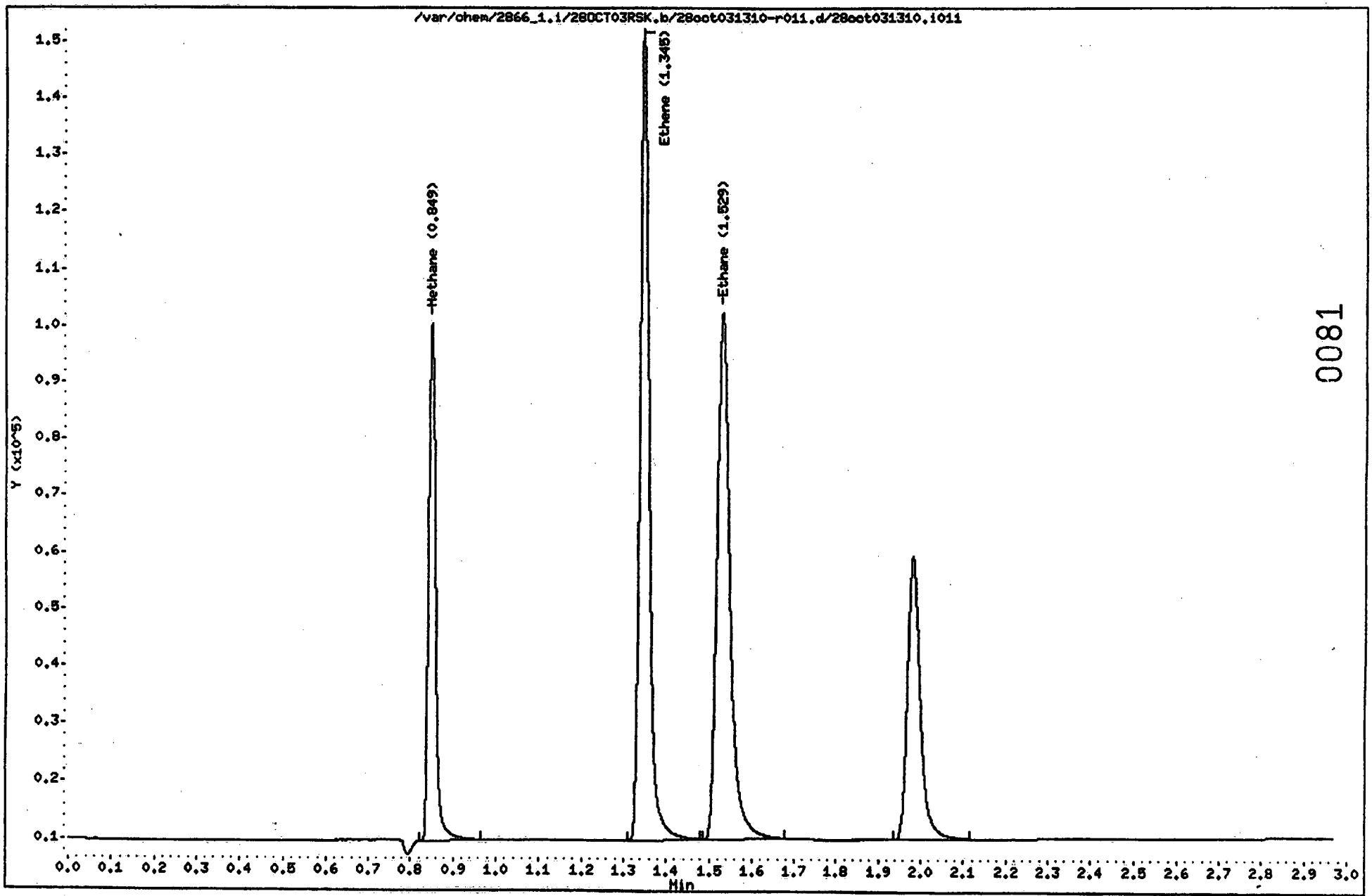
COMPOUND	RRF / AMOUNT	RF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	1389	1386	0.000	0.23615	30.00000	Averaged
2 Ethene	1492	1658	0.000	-11.13725	30.00000	Averaged
3 Ethane	1289	1407	0.000	-9.17739	30.00000	Averaged

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r011.d
Date : 28-OCT-2003 13:29
Client ID: CCV
Sample Info: CCV,1028G7,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r01 Page 2
Report Date: 03-Nov-2003 21:26

STL Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 2866_1.i Injection Date: 28-OCT-2003 13:29
Lab File ID: 28oct031310-r01 Init. Cal. Date(s): 27-OCT-2003 27-OCT-2003
Analysis Type: WATER Init. Cal. Times: 13:18 14:06
Lab Sample ID: CCV Quant Type: ESTD
Method: /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m

COMPOUND	RRF / AMOUNT	RF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	1389	1409	0.000	-1.43801	30.00000	Averaged
2 Ethene	1492	1672	0.000	-12.09111	30.00000	Averaged
3 Ethane	1289	1416	0.000	-9.86582	30.00000	Averaged

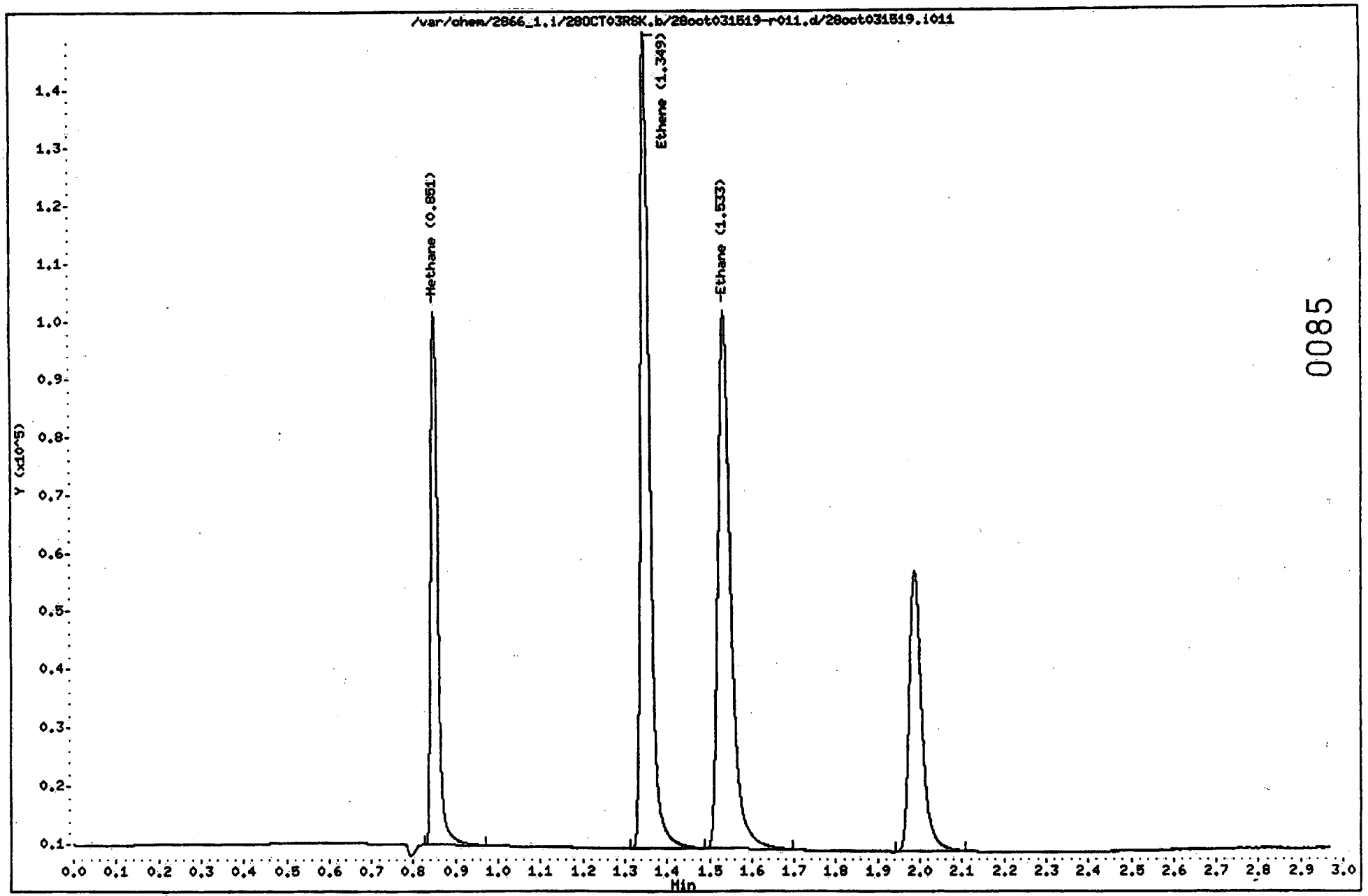
Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031519-r011.d
Date : 28-OCT-2003 15:36
Client ID: CCV
Sample Info: CCV,1028C7,1

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32

Column phase: RTUPLOT

385/439



STL Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 2866_1.i Injection Date: 28-OCT-2003 15:36
Lab File ID: 28oct031519-r01 Init. Cal. Date(s): 27-OCT-2003 27-OCT-2003
Analysis Type: WATER Init. Cal. Times: 13:18 14:06
Lab Sample ID: CCV Quant Type: ESTD
Method: /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m

COMPOUND	RRF / AMOUNT	RF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	1389	1441	0.000	-3.70376	30.00000	Averaged
2 Ethene	1492	1664	0.000	-11.54951	30.00000	Averaged
3 Ethane	1289	1428	0.000	-10.75958	30.00000	Averaged

SEVERN TRENT STL

RSK-175

RAW QC DATA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKG6

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: ABLKG6

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R051

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	2.0	U
74-84-0	Ethane	4.0	U
74-85-1	Ethene	3.0	U

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r051.d
Lab Smp Id: ABLKG6 Client Smp ID: ABLKG6
Inj Date : 27-OCT-2003 14:53
Operator : JKN Inst ID: 2866_1.i
Smp Info : ABLKG6,1027G6,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

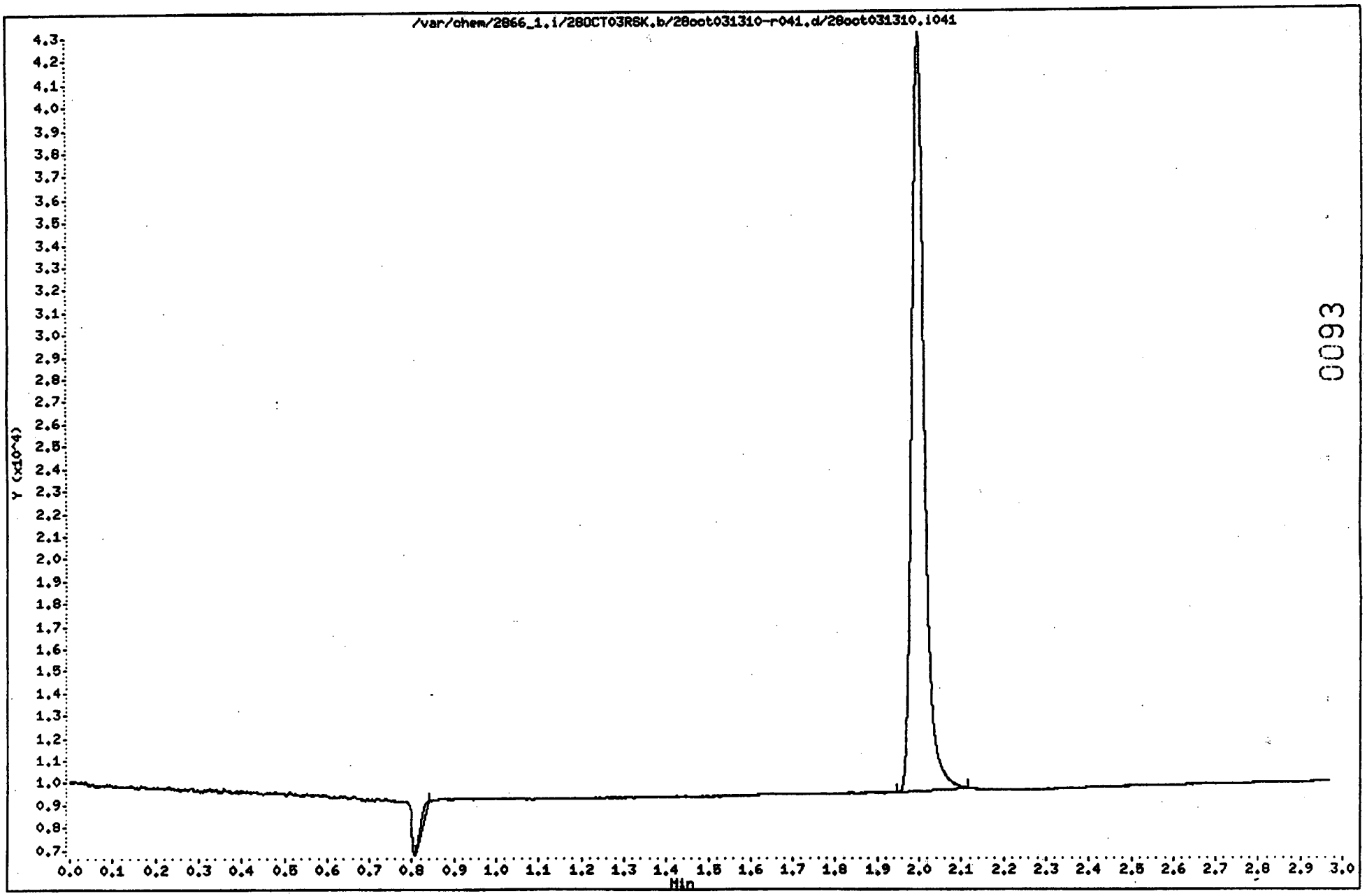
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	Compound Not Detected.					
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Da[redacted]le: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r041.d
Date : 28-OCT-2003 13:43
Client ID: ABLKG7
Sample Info: ABLKG7,1028G7,1

Column phase: RTUPLOT

Instrument: 2866_1.i

Operator: JKN
Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5RMS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780MS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R211

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	82	
74-84-0	Ethane	110	
74-85-1	Ethene	98	

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r211.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r211.d
Lab Smp Id: 546780MS Client Smp ID: WE-5RMS
Inj Date : 28-OCT-2003 11:19
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-5RMS :[MS]10/14/03 @1154(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.833	0.849	-0.016	114686	82.5457	82(M)
2 Ethene	1.308	1.314	-0.006	147037	98.5724	98
3 Ethane	1.487	1.495	-0.008	141084	109.438	110

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

WE-5RMSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: 546780MD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT030909-R221

Level: (low/med) LOW Date Received: 10/17/03

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	80	
74-84-0	Ethane	120	
74-85-1	Ethene	100	

Data File: /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r221.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/28oct030909-r221.d
Lab Smp Id: 546780MD Client Smp ID: WE-5RMSD
Inj Date : 28-OCT-2003 11:26
Operator : JKN Inst ID: 2866_1.i
Smp Info : WE-5RMSD :[MSD]10/14/03 @1154(Water)
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.822	0.849	-0.027	111230	80.0583	80(M)
2 Ethene	1.296	1.314	-0.018	153491	102.899	100
3 Ethane	1.476	1.495	-0.019	151422	117.457	120

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G6LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G6LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	70	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r021.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r021.d
Lab Smp Id: G6LCS Client Smp ID: G6LCS
Inj Date : 27-OCT-2003 14:39
Operator : JKN Inst ID: 2866_1.i
Smp Info : G6LCS,1027G6,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.813	0.849	-0.036	97232	69.9831	70(M)
2 Ethene	1.289	1.314	-0.025	197904	132.673	130
3 Ethane	1.466	1.495	-0.029	186300	144.512	140

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G6LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G6LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 27OCT031355-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	69	
74-84-0	Ethane	140	
74-85-1	Ethene	130	

Data File: /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r031.d Page 1
Report Date: 03-Nov-2003 21:20

STL Burlington

Data file : /var/chem/2866_1.i/27OCT03RSK.b/27oct031355-r031.d
Lab Smp Id: G6LCSD Client Smp ID: G6LCSD
Inj Date : 27-OCT-2003 14:42
Operator : JKN Inst ID: 2866_1.i
Smp Info : G6LCSD,1027G6,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/27OCT03RSK.b/bRSK175.m
Meth Date : 01-Nov-2003 23:06 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.808	0.849	-0.041	95616	68.8200	69(M)
2 Ethene	1.284	1.314	-0.030	194473	130.373	130
3 Ethane	1.460	1.495	-0.035	182963	141.924	140

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G7LCS

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G7LCS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R021

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	77	
74-84-0	Ethane	160	
74-85-1	Ethene	150	

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r021.d Page 1
Report Date: 03-Nov-2003 21:26

STL Burlington

Data file : /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r021.d
Lab Smp Id: G7LCS Client Smp ID: G7LCS
Inj Date : 28-OCT-2003 13:33
Operator : JKN Inst ID: 2866_1.i
Smp Info : G7LCS,1028G7,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 21:26 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	0.849	0.849	0.000	106484	76.6423	77(M)
2 Ethene	1.345	1.314	0.031	217960	146.119	150
3 Ethane	1.529	1.495	0.034	200162	155.265	160

QC Flag Legend

M - Compound response manually integrated.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

G7LCSD

Lab Name: STL BURLINGTON Contract: 23012

Lab Code: STLVT Case No.: 23012 SAS No.: SDG No.: 96598

Matrix: (soil/water) WATER Lab Sample ID: G7LCSD

Sample wt/vol: _____ (g/mL) ML Lab File ID: 28OCT031310-R031

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/03

GC Column: RTUPLOT ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-82-8	Methane	75	
74-84-0	Ethane	150	
74-85-1	Ethene	140	

Data File: /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r031.d Page 1
Report Date: 03-Nov-2003 21:26

STL Burlington

Data file : /var/chem/2866_1.i/28OCT03RSK.b/28oct031310-r031.d
Lab Smp Id: G7LCSD Client Smp ID: G7LCSD
Inj Date : 28-OCT-2003 13:37
Operator : JKN Inst ID: 2866_1.i
Smp Info : G7LCSD,1028G7,1
Misc Info :
Comment :
Method : /var/chem/2866_1.i/28OCT03RSK.b/bRSK175.m
Meth Date : 03-Nov-2003 21:26 jd1 Quant Type: ESTD
Cal Date : 27-OCT-2003 14:06 Cal File: 27oct031355-r011.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: MeEtaEte.sub
Target Version: 3.50
Processing Host: chemsvr5

Concentration Formula: Amt * DF * 1 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.861	0.849	0.012	103862	74.7551	75(M)
2 Ethene	1.356	1.314	0.042	212199	142.256	140
3 Ethane	1.541	1.495	0.046	196477	152.406	150

QC Flag Legend

M - Compound response manually integrated.

SEVERN TRENT STL

ORGANIC
SAMPLE PREPARATION

Method: RSK175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 270CT03RSK

Opened: 10/27/03 Time: 1318
Closed: 10/28/03 Time: 1318

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1101	CCV	CCV	N/A	270CT031046	1	1	↓	JTW	
1125	CCV	CCV	↓	270CT03 1113	1	↓	↓	↓	
1158	CCV	CCV	↓	270CT03 1146	1	↓	↓	↓	
1314	CAL1	Initial Cal.		270CT031255	1	↓	✓	↓	
1322	CAL2	↓		↓	2	↓	—	↓	bad sample prep
1326	CAL3	↓		↓	3	↓	—	↓	
1332	CAL4	↓		↓	4	↓	✓	↓	
1336	CAL5	↓		↓	5	↓	—	↓	
1406	CAL2	↓		270CT03 1355	1	↓	✓	↓	
1939	GGLCS	GGLCS	N/A	↓	2	↓	✓	↓	use as cal. ver std.
1442	GGLCSD	GGLCSD	↓	↓	3	↓	✓	↓	
1446	CAL1	CAL1	↓	↓	4	↓	✓	↓	Reporting limit check
1453	ABLKGG	ABLKGG	↓	↓	5	↓	✓	↓	
1532	547704	SW-31-R1	96703	270CT03 1508	1	↓	—	↓	vial #2
1536	547720	SW-21-R1	96724	↓	2	↓	—	↓	↓
1540	CCV	CCV	N/A	↓	3	↓	—	↓	Per client request
1546	ABLK	ABLK	↓	↓	4	↓	—	↓	↓
1611	547509	MW-14	96680	270CT031556	1	↓	—	↓	vial #1
1615	547509MS	MW-14MS	↓	↓	2	↓	—	↓	↓
1619	547509MD	MW-14MD	↓	↓	3	↓	✓	↓	vial #2

404/439

Method: RSK-175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 270CT03RSK

Opened: 10/27/03 Time: 1318
Closed: 10/28/03 Time: 1318

Standard Lot#
Calibration: MV02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1625	SY7510	MW-6	96680	270CT031556	4	1	✓	JKN	vial b1
1629	SY7511	MW-15			5		✓		
1633	SY7512	MW-11			6		✓		
1640	SY7513	MW-16			7		✓		
1644	SY7514	MW-13			8		✓		
1824	SY7515	MW-17S			9		✓		
1827	SY7516	MW-10S			10		↑		Methane >1300
1831	SY7517	MW-7			11		✓		
1838	SY7518	MW-8			12		✓		
1842	SY7519	MW-5			13		✓		
1846	SY7520	MW-9			14		↑		Methane >1500
1852	SY7521	MW-12	↓		15		✓		
1906	SY7714	MW-23?C	96697		16		✓		
1910	SY7715	MW-23?C DUP			17		✓		
1914	SY7716	MW-23S B			18		✓		
1920	SY7717	MW-13SA			19		✓		
1924	SY7718	MW-13SA DUP	↓		20		✓		
1928	FBLK	FBLK	N/A		21				
1934	SY7719	MW-22?	96697		22	↓	✓		vial b1
1938	SY7720	MW-13SA	↓	↓	23		✓	↓	↓

405/439

Method: RSK-175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 27OCT03 RSK

Opened: 10/27/03 Time: 1318
Closed: 10/28/03 Time: 1518

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1028	546631	MW-500	96580	28OCT030909	10	1	↑	JKW	Methane @ 681 vial k2
1033	546632	MW-106	↓	↓	11	↓	↑	↓	Methane @ 590 ↓
1037	546633	MW-12R	↓	↓	12	↓	↑	↓	Methane @ 870 ↓
1043	546773	SW-01	96598	↓	13	↓	↓	↓	vial k1 ↓
1047	546774	SW-02	↓	↓	14	↓	↓	↓	↓
1051	546775	SW-03	↓	↓	15	↓	↓	↓	↓
1057	546776	SW-04	↓	↓	16	↓	↓	↓	↓
1101	546777	FBSW10403	↓	↓	17	↓	↓	↓	↓
1105	546778	CBT-66	↓	↓	18	↓	↑	↓	Methane 1100 JKW 10/28/03
1111	546779	GEL-65	↓	↓	19	↓	↑	↓	Methane 71100 ↓
1115	546780	WE-5R	↓	↓	20	↓	↓	↓	↓
1119	546780MS	WE-5RMS	↓	↓	21	↓	↓	↓	vial k1 ↓
1126	546780MD	WE-5RMD	↓	↓	22	↓	↓	↓	vial k2 ↓
1130	546781	FB101403	↓	↓	23	↓	↓	↓	vial k1 ↓
1134	546782	GEL-10G	↓	↓	24	↓	↑	↓	Methane 71500 ↓
1140	546783	WE-10R	↓	↓	25	↓	↓	↓	↓
1144	546784	WE-10S	↓	↓	26	↓	↓	↓	↓
1148	546785	WE-7R	↓	↓	27	↓	↓	↓	↓
1154	546786	WE-7S	↓	↓	28	↓	↑	↓	Methane 71000 ↓
1158	FBLK	FBLK	N/A	↓	29	↓	↓	↓	↓

406/439

Method: RSK-175
Device: 2866
Channel: 51
Project: 100103

GC/MS AIR TOXICS
Instrument Run Log
Instrument VR-3600

Chemserver Batch: 28OCT03BSK

Opened: 10 / 28 / 03 Time: 1329
Closed: 10 / 29 / 03 Time: 1329

Standard Lot#
Calibration: MV-02-017-20
LCS/ICV: MV-02-018-01

INJ. TIME	LAB ID	CLIENT ID	ETR #	ANALYSIS FILE	INJ. #	DILUTION FACTOR	CONC	ANALYST	COMMENTS
1329	CCV	CCV	N/A	28OCT031310	1	1	✓	JKW	
1333	G7LCS	G7LCS			2		✓		
1337	G7LCSD	G7LCSD			3		✓		
1343	ABLKG7	ABLKG7	✓	↓	4	↓	✓		
1420	546627MS	MW-113MS	96580	28OCT031401	1	20	✓		
1424	546631	MW-500			2	5	✓		vial k6
1428	546632	MW-106			3	3	✓		vial k3
1434	546633	W-12R	↓		4	5	✓		↓
1438	546778	CEI-6G	96598		5	10	✓		
1442	546779	CEI-6S	↓		6	10	✓		vial k2
1448	546782	CEI-10G	96598		7	40	✓		↓
1452	546786	WE-7S	↓	↓	8	10	✓		
1536	CCV	CCV	N/A	28OCT031519	1	1	✓	↓	

SCF 10/26/03

407/439

SEVERN TRENT STL

SAMPLE HANDLING

ORIGIN ID: DKKA (716) 691-2600
KEN KINECKI
SEVERN TRENT LABRATORIES
10 HAZELWOOD DR.

AMHERST, NY 14228

SHIP DATE: 16OCT03
SYSTEM #735603 / CAFE2165
ACTUAL WGT: 71.5 LBS SCALE
ACCOUNT #: 235689596

FedEx

FedEx Revenue Barcode

TO:

SAMPLE RECEIVING (802) 655-1203
STL-BURLINGTON
208 SOUTH PARK DRIVE SUITE 1

COLCHESTER, VT 05446

REF: 295-SUB-STL VERMONT

Delivery Address Barcode (FedEx-EDR)

PRIORITY OVERNIGHT

TRK# 6132 3567 1315 FORM 0201

FRI
Deliver by:
17OCT03
AA

BTV

05446 -VT-US **ED BTVA**

Part # 154254-354 RIT 02/03

10.17.03
1045

0128

STL Burlington
COOLER RECEIPT CHECKLIST

Date Received: 10/17/03 **Sample Custodian:** GJC

Time Received: 1045 **ETR/SDG:** 96598/96598

RADIATION SCREEN: <0.05 MR/HR (YES) NO
If yes, stop work and alert the Supervisor and the PM.

CUSTODY SEALS PRESENT: (YES) NO

If yes, were the custody seals signed? YES (NO)

If yes, are custody seal numbers present? (YES) NO

List custody seal numbers: 971686

TEMPERATURE CHECK: 0 (°C)

Acceptance Criteria (0-6°C) except air samples, which should be shipped at ambient temperature and/or biota/tissue samples, which may be frozen on receipt. The thermal preservation of samples that are hand delivered immediately following collection is considered acceptable if there is evidence that the chilling process has begun.

Thermal Preservation Type: (ICE) ICE PACK NONE

CONDITION OF SAMPLE CONTAINERS: (INTACT) BROKEN

If broken, list the client ID for each broken container:

Were any samples received with a short hold time* remaining?
** <7 Days*

WET CHEMISTRY	**YES**	**(NO)**
METALS	**YES**	**(NO)**
ORGANIC EXTRACTABLES	**YES**	**(NO)**
VOLATILE (received unpreserved)	**YES**	**(NO)**

If yes, expedite sample log in procedure and alert the appropriate Department Manager.

ANALYTICAL REPORT

JOB NUMBER: 205061

Prepared For:

SEVERN TRENT LABORATORIES-BUFFALO
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Project: A03-9999 NY0A8575.2

Attention: Amy Haag

Date: 10/28/2003

Johanna Dubanoskas for
Signature

10-29-03
Date

Name: Michele D. Sciongay

Title: Project Manager

E-Mail: msciongay@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (29) Pages

SEVERN TRENT **STL**

STL Report : 205061
STL-BUFFALO

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered.

Analyte	Method	Reference
Cyanide, Total	335.4	1

References:

1. Methods of Chemical Analysis of Water and Wastes, EPA 600, 1983.

Metals – ICAP metals were determined by ICP using a TJA61E Trace ICAP according to the USEPA 200.7 SOW. Mercury was determined using a Perkin Elmer mercury analyzer following USEPA method 245.1.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION

Date: 10/28/2003

Job Number.: 205061
Customer...: SEVERN TRENT LABORATORIES-BUFFALO
Attn.....: Amy Haag

Project Number.....: 20000661
Customer Project ID....: A03-9999 NY0A8575.2
Project Description....: WMI

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
205061-1	SW-01	Water	10/14/2003	13:35	10/17/2003	09:10
205061-2	SW-02	Water	10/14/2003	13:10	10/17/2003	09:10
205061-3	SW-03	Water	10/14/2003	12:40	10/17/2003	09:10
205061-4	SW-04	Water	10/14/2003	12:00	10/17/2003	09:10
205061-5	FB101403	Water	10/14/2003	09:00	10/17/2003	09:10

LABORATORY TEST RESULTS

Job Number: 205061

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9999 NYQAB575.2

ATTN: Amy Haag

Customer Sample ID: SW-01
Date Sampled.....: 10/14/2003
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 205061-1
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1559	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony	ND	U		22.5	100	1	ug/L	24140		10/23/03 1328	nnp
	Arsenic	ND	U		17.0	200	1	ug/L	24140		10/23/03 1328	nnp
	Barium	54.1			4.2	25.0	1	ug/L	24140		10/23/03 1328	nnp
	Beryllium	ND	U		3.2	25.0	1	ug/L	24140		10/23/03 1328	nnp
	Cadmium	ND	U		4.6	50.0	1	ug/L	24140		10/23/03 1328	nnp
	Lead	ND	U		17.5	50.0	1	ug/L	24140		10/23/03 1328	nnp
	Manganese	77.5			13.5	75.0	1	ug/L	24140		10/23/03 1328	nnp
	Nickel	ND	U		8.5	50.0	1	ug/L	24140		10/23/03 1328	nnp
	Vanadium	ND	U		5.0	30.0	1	ug/L	24140		10/23/03 1328	nnp
	Zinc	ND	U		50.0	250	1	ug/L	24140		10/23/03 1328	nnp

* In Description = Dry Wgt.

414/439

LABORATORY TEST RESULTS

Job Number: 205061

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9999 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: SW-02
Date Sampled.....: 10/14/2003
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 205061-2
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1600	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony	ND	U		22.5	100	1	ug/L	24140		10/23/03 1334	nnp
	Arsenic	ND	U		17.0	200	1	ug/L	24140		10/23/03 1334	nnp
	Barium	45.6			4.2	25.0	1	ug/L	24140		10/23/03 1334	nnp
	Beryllium	ND	U		3.2	25.0	1	ug/L	24140		10/23/03 1334	nnp
	Cadmium	ND	U		4.6	50.0	1	ug/L	24140		10/23/03 1334	nnp
	Lead	ND	U		17.5	50.0	1	ug/L	24140		10/23/03 1334	nnp
	Manganese	105			13.5	75.0	1	ug/L	24140		10/23/03 1334	nnp
	Nickel	ND	U		8.5	50.0	1	ug/L	24140		10/23/03 1334	nnp
	Vanadium	ND	U		5.0	30.0	1	ug/L	24140		10/23/03 1334	nnp
	Zinc	ND	U		50.0	250	1	ug/L	24140		10/23/03 1334	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 205061

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9999 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: SW-03
Date Sampled.....: 10/14/2003
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 205061-3
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1601	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony	ND	U		22.5	100	1	ug/L	24140		10/23/03 1340	nnp
	Arsenic	ND	U		17.0	200	1	ug/L	24140		10/23/03 1340	nnp
	Barium	46.0			4.2	25.0	1	ug/L	24140		10/23/03 1340	nnp
	Beryllium	ND	U		3.2	25.0	1	ug/L	24140		10/23/03 1340	nnp
	Cadmium	ND	U		4.6	50.0	1	ug/L	24140		10/23/03 1340	nnp
	Lead	ND	U		17.5	50.0	1	ug/L	24140		10/23/03 1340	nnp
	Manganese	74.3	B		13.5	75.0	1	ug/L	24140		10/23/03 1340	nnp
	Nickel	ND	U		8.5	50.0	1	ug/L	24140		10/23/03 1340	nnp
	Vanadium	ND	U		5.0	30.0	1	ug/L	24140		10/23/03 1340	nnp
	Zinc	ND	U		50.0	250	1	ug/L	24140		10/23/03 1340	nnp

* In Description = Dry Wgt.

Job Number: 205061

LABORATORY TEST RESULTS

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO | PROJECT: A03-9999 NYOA8575.2 | ATTN: Amy Haag

Customer Sample ID: SW-04
Date Sampled.....: 10/14/2003
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 205061-4
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1602	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony	ND	U		22.5	100	1	ug/L	24140		10/23/03 1346	nnp
	Arsenic	ND	U		17.0	200	1	ug/L	24140		10/23/03 1346	nnp
	Barium	46.1			4.2	25.0	1	ug/L	24140		10/23/03 1346	nnp
	Beryllium	ND	U		3.2	25.0	1	ug/L	24140		10/23/03 1346	nnp
	Cadmium	ND	U		4.6	50.0	1	ug/L	24140		10/23/03 1346	nnp
	Lead	ND	U		17.5	50.0	1	ug/L	24140		10/23/03 1346	nnp
	Manganese	76.4			13.5	75.0	1	ug/L	24140		10/23/03 1346	nnp
	Nickel	ND	U		8.5	50.0	1	ug/L	24140		10/23/03 1346	nnp
	Vanadium	ND	U		5.0	30.0	1	ug/L	24140		10/23/03 1346	nnp
	Zinc	ND	U		50.0	250	1	ug/L	24140		10/23/03 1346	nnp

* In Description = Dry Wgt.

Job Number: 205061

LABORATORY TEST RESULTS

Date:10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NY0A8575.2 ATTN: Amy Haag

Customer Sample ID: FB101403
Date Sampled.....: 10/14/2003
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 205061-5
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
245.1	Mercury (CVAA)											
	Mercury	ND	U		0.18	0.20	1.0000	ug/L	24118		10/24/03 1606	nnp
200.7	Metals Analysis (ICAP Trace)											
	Antimony	ND	U		4.5	20.0	1	ug/L	24140		10/23/03 1352	nnp
	Arsenic	ND	U		3.4	40.0	1	ug/L	24140		10/23/03 1352	nnp
	Barium	5.6			0.85	5.0	1	ug/L	24140		10/23/03 1352	nnp
	Beryllium	ND	U		0.63	5.0	1	ug/L	24140		10/23/03 1352	nnp
	Cadmium	ND	U		0.93	10.0	1	ug/L	24140		10/23/03 1352	nnp
	Lead	ND	U		3.5	10.0	1	ug/L	24140		10/23/03 1352	nnp
	Manganese	ND	U		2.7	15.0	1	ug/L	24140		10/23/03 1352	nnp
	Nickel	ND	U		1.7	10.0	1	ug/L	24140		10/23/03 1352	nnp
	Vanadium	ND	U		0.99	6.0	1	ug/L	24140		10/23/03 1352	nnp
	Zinc	ND	U		10.0	50.0	1	ug/L	24140		10/23/03 1352	nnp

* In Description = Dry Wgt.

0000008

418/439

Job Number: 205061

LABORATORY TEST RESULTS

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9999 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: SW-01
Date Sampled.....: 10/14/2003
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 205061-1
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	5.1	B		1.0	10.0	1.0	ug/L	23974		10/22/03 1511	dtn

* In Description = Dry Wgt.

0000009

4179/439

LABORATORY TEST RESULTS

Job Number: 205061

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9999 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: SW-02
Date Sampled.....: 10/14/2003
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 205061-2
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	1.7	B		1.0	10.0	1.0	ug/L	23974		10/22/03 1512	dtn

0000010

420/439

* In Description = Dry Wgt.

Job Number: 205061

LABORATORY TEST RESULTS

Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9999 NY0A8575.2

ATTN: Amy Haag

Customer Sample ID: SW-03
Date Sampled.....: 10/14/2003
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 205061-3
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	ND	U		1.0	10.0	1.0	ug/L	23974		10/22/03 1513	dtn

0006011

* In Description = Dry Wgt.

421/439

LABORATORY TEST RESULTS

Job Number: 205061 Date:10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NYOA8575.2 ATTN: Amy Haag

Customer Sample ID: SW-04
Date Sampled.....: 10/14/2003
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 205061-4
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total Cyanide, Total	8.8	B		1.0	10.0	1.0	ug/L	23974		10/22/03 1514	dtn

0000012

422/439

* In Description = Dry Wgt.

Job Number: 205061

LABORATORY TEST RESULTS

Date: 10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO

PROJECT: A03-9999 NYOA8575.2

ATTN: Amy Haag

Customer Sample ID: FB101403
Date Sampled.....: 10/14/2003
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 205061-5
Date Received.....: 10/17/2003
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
335.4	Cyanide, Total											
	Cyanide, Total	1.4	B		1.0	10.0	1.0	ug/L	23974		10/22/03 1515	dtn

0000013

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 205061 Date: 10/28/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NY0A8575.2 ATTN: Amy Haag

Lab ID: 205061-1 Client ID: SW-01 Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1140	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1511	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1559	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24140	23919	10/23/2003	1328	

Lab ID: 205061-2 Client ID: SW-02 Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1152	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1512	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.	Mercury (CVAA)	1	24118	24046	10/24/2003	1600	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24140	23919	10/23/2003	1334	

Lab ID: 205061-3 Client ID: SW-03 Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1205	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1513	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1601	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24140	23919	10/23/2003	1340	

Lab ID: 205061-4 Client ID: SW-04 Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1217	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1514	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1602	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24140	23919	10/23/2003	1346	

Lab ID: 205061-5 Client ID: FB101403 Date Recvd: 10/17/2003 Sample Date: 10/14/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
200.7	Acid Digestion,Total Recoverable(ICAP)	1	23919		10/22/2003	0000	
CN Prep Method	Cyanide sample Preparation	1	23970		10/21/2003	1229	
335.4	Cyanide, Total	1	23974	23970	10/22/2003	1515	1.0
245.1/245.5	EPA Digestion (Hg)	1	24046		10/23/2003	0000	
245.1	Mercury (CVAA)	1	24118	24046	10/24/2003	1606	1.0000
200.7	Metals Analysis (ICAP Trace)	1	24140	23919	10/23/2003	1352	

QUALITY CONTROL RESULTS

Job Number.: 205061

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NY0A8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M03ILCS002	23919 -002		10/23/2003	1151

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP2
Batch.....: 24140

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony	ug/L	1046.09		1000.00		105	%	85-115	
Arsenic	ug/L	1064.00		1000.00		106	%	85-115	
Barium	ug/L	318.66		300.00		106	%	85-115	
Beryllium	ug/L	109.68		100.00		110	%	85-115	
Cadmium	ug/L	320.50		300.00		107	%	85-115	
Lead	ug/L	1047.16		1000.00		105	%	85-115	
Manganese	ug/L	211.84		200.00		106	%	85-115	
Nickel	ug/L	320.82		300.00		107	%	85-115	
Vanadium	ug/L	315.09		300.00		105	%	85-115	
Zinc	ug/L	322.35		300.00		107	%	85-115	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205061 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NYOA8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		23919 -001		10/23/2003	1145

Test Method.....: 200.7 Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24140

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony	ug/L	-5.8	B							
Arsenic	ug/L	3.4	U							
Barium	ug/L	0.9	B							
Beryllium	ug/L	0.6	U							
Cadmium	ug/L	0.9	U							
Lead	ug/L	3.5	U							
Manganese	ug/L	2.7	U							
Nickel	ug/L	1.7	U							
Vanadium	ug/L	1.0	U							
Zinc	ug/L	10.0	U							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205061

Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NYOA8575.2 ATTN: Amy Haag

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		205059-3	5	10/23/2003	1216

Test Method.....: 200.7
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP2
Batch.....: 24140

Analyst...: nnp

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	112.50	U			112.50	U	1.8441		22.5000	
Arsenic, Diss.	ug/L	85.00	U			85.00	U	4.3611		17.0000	
Barium, Diss.	ug/L	105.53	B			104.21	B	0.2638		4.2500	
Beryllium, Diss.	ug/L	15.75	U			15.75	U	0.0931		3.1500	
Cadmium, Diss.	ug/L	23.25	U			23.25	U	0.6725		4.6500	
Lead, Diss.	ug/L	87.50	U			87.50	U	6.2436		17.5000	
Manganese, Diss.	ug/L	1197.10				1168.41		2.4		20.0	
Nickel, Diss.	ug/L	42.50	U			42.50	U	1.2856		8.5000	
Vanadium, Diss.	ug/L	24.75	U			24.75	U	1.9827		4.9500	
Zinc, Diss.	ug/L	250.00	U			250.00	U	0.6764		50.0000	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205061 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NY0A8575.2 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03EWRK023	205059-3	5	10/23/2003	1222

Test Method.....: 200.7 Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24140

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	418.23	B	2500.00	112.50 U	84		75-125	
Arsenic, Diss.	ug/L	187.92	B	1000.00	85.00 U	94		75-125	
Barium, Diss.	ug/L	9658.53		50000.00	104.21 B	96		75-125	
Beryllium, Diss.	ug/L	245.86		1250.00	15.75 U	98		75-125	
Cadmium, Diss.	ug/L	251.59		1250.00	23.25 U	101		75-125	
Lead, Diss.	ug/L	87.53	B	500.00	87.50 U	88		75-125	
Manganese, Diss.	ug/L	3545.21		12500.00	1168.41	95		75-125	
Nickel, Diss.	ug/L	2464.41		12500.00	42.50 U	99		75-125	
Vanadium, Diss.	ug/L	2473.71		12500.00	24.75 U	99		75-125	
Zinc, Diss.	ug/L	2498.23		12500.00	250.00 U	100		75-125	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205061 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NY0A8575.2 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M03EWRK023	205059-3	5	10/23/2003	1228

Test Method.....: 200.7 Equipment Code....: ICAP2 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 24140

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony, Diss.	ug/L	453.45	B		2500.00	112.50	U	91		75	
Arsenic, Diss.	ug/L	186.73	B		1000.00	85.00	U	93		75	
Barium, Diss.	ug/L	10468.01			50000.00	104.21	B	104		75	
Beryllium, Diss.	ug/L	268.14			1250.00	15.75	U	107		75	
Cadmium, Diss.	ug/L	277.36			1250.00	23.25	U	111		75	
Lead, Diss.	ug/L	125.99	B		500.00	87.50	U	126		75	N
Manganese, Diss.	ug/L	3872.59			12500.00	1168.41		108		75	
Nickel, Diss.	ug/L	2695.64			12500.00	42.50	U	108		75	
Vanadium, Diss.	ug/L	2689.50			12500.00	24.75	U	108		75	
Zinc, Diss.	ug/L	2719.73			12500.00	250.00	U	109		75	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205061 Report Date.: 10/27/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NY0A8575.2 ATTN: Amy Haag

Test Method.....: 245.1 Batch.....: 24118 Analyst...: nnp
Method Description.: Mercury (CVAA) Equipment Code....: MERC1 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	24046 -001		ug/L	0.2	U									10/24/2003	1542
LCS	24046 -002	M03HSTK001	ug/L	1550.04			1480.00			105		%	80-120	10/24/2003	1542
MD	205026-1		ug/L	0.18	U			0.18	U	0.0019			0.1800	10/24/2003	1546
MS	205026-1	M02KWRK027	ug/L	1.37			2.00	0.18	U	68	N		75-125	10/24/2003	1547
MB	24046 -001		ug/L	0.2	U									10/24/2003	1607
LCS	24046 -002	M03HSTK001	ug/L	1527.25			1480.00			103		%	80-120	10/24/2003	1608
MD	205062-3		ug/L	0.18	U			0.18	U	0.0124			0.1800	10/24/2003	1612
MS	205062-3	M02KWRK027	ug/L	1.89			2.00	0.18	U	95			75-125	10/24/2003	1613
MSD	205062-3	M02KWRK027	ug/L	1.88			2.00	0.18	U	94			75-125	10/24/2003	1631

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 205061 Report Date.: 10/23/2003

CUSTOMER: SEVERN TRENT LABORATORIES-BUFFALO PROJECT: A03-9999 NYOA8575.2 ATTN: Amy Haag

Test Method.....: 335.4 Batch.....: 23974 Analyst...: dtn
Method Description.: Cyanide, Total Equipment Code....: LACHET 3 Test Code.: CN
Parameter.....: Cyanide, Total

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
LCS	23970 -004	W03BLCS004	ug/Kg	127506.00000			82800.00000			154		%	21.6-178.	10/22/2003	1502
MB	23970 -005		ug/L	5.3	B									10/22/2003	1503
MS	205062-3	W03JWRK048	ug/L	39.41			40.00	1.00	U	99			75-125	10/22/2003	1518
MSD	205062-3	W03JWRK048	ug/L	37.11		39.41	40.00	1.00	U	93			75	10/22/2003	1519
MB	23970 -005		ug/L	1.0	U									10/22/2003	1529
MD	205074-1		ug/L	14.42				12.44		1.9857			10.0000	10/22/2003	1530
MS	205074-1	W03JWRK048	ug/L	54.58			40.00	12.44		105			75-125	10/22/2003	1533
MB	23970 -007		ug/Kg	54.0000	U									10/22/2003	1534
MD	205069-2		ug/Kg	58.71064	U			58.71064	U	0.0000			500.0000	10/22/2003	1537
MS	205069-2	W03JWRK048	ug/Kg	1869.90924			2217.00000	59.87167	U	84			75-125	10/22/2003	1538
MB	23970 -007		ug/Kg	-77.3532	B									10/22/2003	1542
MD	205066-6		ug/Kg	62.64501	U			62.64501	U	2.0594			500.0000	10/22/2003	1546

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

MSH 0000021

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604

5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the reporting limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the reporting limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

'	MB,EB, MLE: Batch QC is greater than reporting limit.
*	LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A	Concentration exceeds the instrument calibration range or below the reporting limit.
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

0000023

STL-Connecticut
Certification Summary (as of September 2003)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/03	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	04/01/04	10602
North Carolina	Division of Environmental Management	Wastewater	12/31/03	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/03	A43
Utah	Department of Health	RCRA	05/31/02	2032614458

Client: Waste Management - Closed Sites
Project: NY0A8575.2
Quote: NY95-481
SM #: 029

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
SW-01 01 01	A3999901	SW	T METALS T CN	1-8ozP 1-8ozP	10/14/2003 13:35 10/14/2003 13:35
SW-02 02 02	A3999902	SW	T METALS T CN	1-8ozP 1-8ozP	10/14/2003 13:10 10/14/2003 13:10
SW-03 03 03	A3999903	SW	T METALS T CN	1-8ozP 1-8ozP	10/14/2003 12:40 10/14/2003 12:40
SW-04 04 04	A3999904	SW	T METALS T CN	1-8ozP 1-8ozP	10/14/2003 12:00 10/14/2003 12:00
FBSW101403 05 05	A3999905	SW	T METALS T CN	1-8ozP 1-8ozP	10/14/2003 09:00 10/14/2003 09:00

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1) [signature]	10/16/2003	1830	(3)	/ /20	
(2)	/ /20		(4) [signature] STL	10/17/2003	9:10am

CT

PASSED RAD SCREEN

2.0C

205061 10/29/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 205061 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 10/17/2003
Project Number.: 20000661 Project Description.: WMI Project Manager.....: mds
Customer.....: SEVERN TRENT LABORATORIES-BUFFALO Contact.: Michelle Buchwald

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	2.0C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?	Y	FE 6132 3567 1267
Sample Custodian Signature/Date	Y	10/17/03

Page 1

STL - Connecticut
Internal Chain-of-Custody

205061 10/29/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Trip Blank: —

QC: — Air: —

FB: 05

Soil: — Water: 01-05

Date Received: 10/17/03

Sample #s: 01-05

Locations: 89C

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1/5	CC	DN	10/21	1100	QN	DN	CC	10/21	1500
1/5	CC	"	10/22	1100	MTL1	"	CC	10/22	1700
01-05	CC	EPT	10/23	1930	metals	EPT	CC	10/23	2200

STL Form# SMF00507.CT

000027

431/439

2-10/23

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 265061 **Sample Numbers:** 1-5

(WATER) - SOIL - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of the preparation:

Sample Prep:

[signature]	10/23/03	ICP
[signature]	10/23/03	Mercury
Chemist	Date(s)	

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis:

[signature]	10/27/03	ICP
[signature]	10/27/03	Mercury
Chemist	Date(s)	

I have reviewed and authorized the release of the job:

Complete: [signature] 10/28/3
Supervisor Date

QAF02600.CT

Severn Trent Laboratories, Inc.
STL Connecticut • 128 Long Hill Cross Road, Shelton, CT 06484
Tel 203 929 8140 Fax 203 929 8142 www.stlinc.com
A part of Severn Trent plc

STL/CT PRESERVATIVE RECORD

205061

10/29/2003

SEVERN TRENT LABORATORIES-BUFFALO
MICHELLE BUCHWALD
WMI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
205061-01	HNO_3	<2	NA	NA	NA	CC	10/17/03
02	↓	<2	↓	↓	↓	↓	↓
03	↓	<2	↓	↓	↓	↓	↓
04	↓	<2	↓	↓	↓	↓	↓
05	HNO_3	<2	↓	↓	↓	↓	↓
06	NAOH	>12	↓	↓	↓	↓	↓
07	↓	>12	↓	↓	↓	↓	↓
08	↓	>12	↓	↓	↓	↓	↓
09	↓	>12	↓	↓	↓	↓	↓
10	NAOH	>12	NA	NA	NA	CC	10/17/03
				10/17/03			

STL Form# SMF00203.CT

6200029