Samples for Validation				
STL Job No.	Sample Type	No. of Samples	BL Sample Label	Description of Analysis Performed for Sample
212758	Water	7	GW-MW-A	TCL-VOCs, TCL-SVOCs, TAL-Metals, PCBs, Pesticides
			GW-MW-2A	TCL-VOCs, TCL-SVOCs, TAL-Metals, PCBs, Pesticides
			GW-MW-3A	TCL-VOCs, TCL-SVOCs, TAL-Metals, PCBs, Pesticides
			GW-MW-4A	TCL-VOCs, TCL-SVOCs, TAL-Metals, PCBs, Pesticides
			GW-MW-5A	TCL-VOCs, TCL-SVOCs, TAL-Metals, PCBs, Pesticides
			Trip Blank	TCL-VOCs
			Field Blank	TCL-VOCs
STL Job No.	Sample Type	No. of Samples	BL Sample Label	Description of Analysis Performed for Sample
114007	Soil Gas	2	SV-1	TO-14/15
			Field Blank	TO-14/15
STL Job No.	Sample Type	No. of Samples	BL Sample Label	Description of Analysis Performed for Sample
113026	Soil Gas	6	SV-2	TO-14/15
			SV-3	TO-14/15
			SV-4	TO-14/15
			SV-5	TO-14/15
			SV-6	TO-14/15
			Field Blank	TO-14/15
STL Job No.	Sample Type	No. of Samples	BL Sample Label	Description of Analysis Performed for Sample
212256	Water	5	HS4/5	TCL-VOCs
			HS1/2	TCL-VOCs
			HS3	TCL-VOCs
			HS12	TCL-VOCs
			HS20	TCL-VOCs

for Revision

210570/ 228756 | Soil | 9 | CEB-1/S-4, CEB-1/S-5, CEB-2/S-4, CEB-2/S-5, CEB-3/S-2, CEB-3/S-3, SED-1, SED-2, SED-3 | VOCs

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: July 6, 2006 Time: 1:50 AM [] PM [X]

Outgoing Call:

To: Jill Duhancik (203) 929-8140 Telephone No.

Affiliation: STL Labs

DQI Staff: Carole A. Tomlins (845) 855-3636 Telephone No.

Summary of Conversation:

Requested that Ms. Duhancik confirm that the "E" flag was inadvertently left off of the Form I data for the analytes Potassium and Sodium; Potassium and Sodium recoveries in the serial dilution analysis for this batch exceeded the STL criteria. Ms. Duhancik indicated that she would look into this issue and call me back.

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: July 6, 2006 Time: 2:05 AM [] PM [X]

Incoming Call:

From: Jill Duhancik (203) 929-8140 Telephone No.

Affiliation: STL Labs

DQI Staff: Carole A. Tomlins (845) 855-3636 Telephone No.

Summary of Conversation:

Ms. Duhancik confirmed that the "E" flag was inadvertently left off of the Form I data. I communicated to Ms. Duhancik that I did not need revised Form I data – but to please make revisions to those forms at STL.

The Data Quality Indicator & Associates, Inc.

35 Pawling Lake
Pawling, NY 12564
(845) ~~855-9007~~ / 855-3636
E-mail: ~~*tomlinsdqi@aol.com*~~
tomlinsdqi2@aol.com

July 6, 2006

Mr. Jonah Barasz
BL Companies
355 Research Parkway
Meriden, CT 06450

203-630-2615

Re: Final Validated Form I Data – STL 212758
Brooklyn Whole Foods (Metals)

Dear Mr. Barasz:

Attached are the final validated Form I data for STL Job # 212758 (metals fraction).

If you have any questions or concerns regarding the attached information, please call me at @ 845-855-3636 or email me @ tomlinsdqi2@aol.com.

Sincerely,

Carole A. Tomlins
President

all pages received

6 pages

203-630-2615

STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 212758 — Date:05/08/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

Customer Sample ID: GW-MW-A
Date Sampled.....: 04/26/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212758-1
Date Received.....: 04/26/2006
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	ND	U		0.070	0.20	1.0000	ug/L	65200		05/02/06 1458	mnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	2770			92.0	500	1	ug/L	65232		05/02/06 2122	mnp
	Antimony	ND	U		5.4	20.0	1	ug/L	65232		05/02/06 2122	mnp
	Arsenic	10.3	B		3.9	40.0	1	ug/L	65232		05/02/06 2122	mnp
	Barium	121			0.74	5.0	1	ug/L	65232		05/02/06 2122	mnp
	Beryllium	0.71	B		0.54	5.0	1	ug/L	65232		05/02/06 2122	mnp
	Cadmium	ND	U		1.1	10.0	1	ug/L	65232		05/02/06 2122	mnp
	Calcium	85200			56.0	300	1	ug/L	65232		05/02/06 2122	mnp
	Chromium	4.9	B		1.3	10.0	1	ug/L	65232		05/02/06 2122	mnp
	Cobalt	4.6	B		1.8	10.0	1	ug/L	65232		05/02/06 2122	mnp
	Copper	12.2			4.3	10.0	1	ug/L	65232		05/02/06 2122	mnp
	Iron	5440			54.0	200	1	ug/L	65232		05/02/06 2122	mnp
	Lead	16.9			3.0	10.0	1	ug/L	65232		05/02/06 2122	mnp
	Magnesium	53500			26.0	100	1	ug/L	65232		05/02/06 2122	mnp
	Manganese	2340			6.9	15.0	1	ug/L	65232		05/02/06 2122	mnp
	Nickel	11.2			1.9	10.0	1	ug/L	65232		05/02/06 2122	mnp
	Potassium	43200		E J	191	400	1	ug/L	65232		05/02/06 2122	mnp
	Selenium	ND	U	UJ	5.0	30.0	1	ug/L	65232		05/02/06 2122	mnp
	Silver	ND	U		1.1	6.0	1	ug/L	65232		05/02/06 2122	mnp
	Sodium	167000		E J	98.0	400	1	ug/L	65232		05/02/06 2122	mnp
	Thallium	ND	U	UJ	10.0	40.0	1	ug/L	65232		05/02/06 2122	mnp
	Vanadium	13.8			1.5	6.0	1	ug/L	65232		05/02/06 2122	mnp
	Zinc	34.5	B		11.0	50.0	1	ug/L	65232		05/02/06 2122	mnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212758

Date:05/08/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: GW-MW-2A
Date Sampled.....: 04/26/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212758-2
Date Received.....: 04/26/2006
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	ND	U		0.070	0.20	1.0000	ug/L	65200		05/02/06 1459	nnp
60108	Metals Analysis (ICAP Trace)											
	Aluminum	198	B		92.0	500	1	ug/L	65232		05/02/06 2129	nnp
	Antimony	ND	U		5.4	20.0	1	ug/L	65232		05/02/06 2129	nnp
	Arsenic	5.3	B		3.9	40.0	1	ug/L	65232		05/02/06 2129	nnp
	Barium	215			0.74	5.0	1	ug/L	65232		05/02/06 2129	nnp
	Beryllium	ND	U		0.54	5.0	1	ug/L	65232		05/02/06 2129	nnp
	Cadmium	ND	U		1.1	10.0	1	ug/L	65232		05/02/06 2129	nnp
	Calcium	161000			56.0	300	1	ug/L	65232		05/02/06 2129	nnp
	Chromium	1.5	B		1.3	10.0	1	ug/L	65232		05/02/06 2129	nnp
	Cobalt	ND	U		1.8	10.0	1	ug/L	65232		05/02/06 2129	nnp
	Copper	ND	U		4.3	10.0	1	ug/L	65232		05/02/06 2129	nnp
	Iron	1200			54.0	200	1	ug/L	65232		05/02/06 2129	nnp
	Lead	9.4	B		3.0	10.0	1	ug/L	65232		05/02/06 2129	nnp
	Magnesium	168000			26.0	100	1	ug/L	65232		05/02/06 2129	nnp
	Manganese	585			6.9	15.0	1	ug/L	65232		05/02/06 2129	nnp
	Nickel	ND	U		1.9	10.0	1	ug/L	65232		05/02/06 2129	nnp
	Potassium	115000		~~E~~ J	191	400	1	ug/L	65232		05/02/06 2129	nnp
	Selenium	ND	~~U~~ UJ		5.0	30.0	1	ug/L	65232		05/02/06 2129	nnp
	Silver	ND	U		1.1	6.0	1	ug/L	65232		05/02/06 2129	nnp
	Sodium	195000		E J	98.0	400	1	ug/L	65232		05/02/06 2129	nnp
	Thallium	ND	~~U~~ UJ		10.0	40.0	1	ug/L	65232		05/02/06 2129	nnp
	Vanadium	3.4	B		1.5	6.0	1	ug/L	65232		05/02/06 2129	nnp
	Zinc	ND	U		11.0	50.0	1	ug/L	65232		05/02/06 2129	nnp

* In Description = Dry Wgt.

STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 212758

Date:05/08/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: GW-MW-3A
Date Sampled.....: 04/26/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212758-3
Date Received.....: 04/26/2006
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	ND	U		0.070	0.20	1.0000	ug/L	65200		05/02/06 1459	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	142	B		92.0	500	1	ug/L	65232		05/02/06 2135	nnp
	Antimony	ND	U		5.4	20.0	1	ug/L	65232		05/02/06 2135	nnp
	Arsenic	ND	U		3.9	40.0	1	ug/L	65232		05/02/06 2135	nnp
	Barium	151			0.74	5.0	1	ug/L	65232		05/02/06 2135	nnp
	Beryllium	ND	U		0.54	5.0	1	ug/L	65232		05/02/06 2135	nnp
	Cadmium	ND	U		1.1	10.0	1	ug/L	65232		05/02/06 2135	nnp
	Calcium	253000			56.0	300	1	ug/L	65232		05/02/06 2135	nnp
	Chromium	ND	U		1.3	10.0	1	ug/L	65232		05/02/06 2135	nnp
	Cobalt	3.4	B		1.8	10.0	1	ug/L	65232		05/02/06 2135	nnp
	Copper	ND	U		4.3	10.0	1	ug/L	65232		05/02/06 2135	nnp
	Iron	13500			54.0	200	1	ug/L	65232		05/02/06 2135	nnp
	Lead	7.6	B		3.0	10.0	1	ug/L	65232		05/02/06 2135	nnp
	Magnesium	52200			26.0	100	1	ug/L	65232		05/02/06 2135	nnp
	Manganese	1660			6.9	15.0	1	ug/L	65232		05/02/06 2135	nnp
	Nickel	9.3	B		1.9	10.0	1	ug/L	65232		05/02/06 2135	nnp
	Potassium	39600		J	191	400	1	ug/L	65232		05/02/06 2135	nnp
	Selenium	ND	U	UJ	5.0	30.0	1	ug/L	65232		05/02/06 2135	nnp
	Silver	ND	U		1.1	6.0	1	ug/L	65232		05/02/06 2135	nnp
	Sodium	153000		J	98.0	400	1	ug/L	65232		05/02/06 2135	nnp
	Thallium	ND	U	UJ	10.0	40.0	1	ug/L	65232		05/02/06 2135	nnp
	Vanadium	1.8	B		1.5	6.0	1	ug/L	65232		05/02/06 2135	nnp
	Zinc	90.5			11.0	50.0	1	ug/L	65232		05/02/06 2135	nnp

* In Description = Dry Wgt.

STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 212758 — Date:05/08/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

Customer Sample ID: GW-MW-4A
Date Sampled.....: 04/26/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212758-4
Date Received.....: 04/26/2006
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	ND	U		0.070	0.20	1.0000	ug/L	65200		05/02/06 1500	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	617			92.0	500	1	ug/L	65232		05/02/06 2141	nnp
	Antimony	ND	U		5.4	20.0	1	ug/L	65232		05/02/06 2141	nnp
	Arsenic	5.2	B		3.9	40.0	1	ug/L	65232		05/02/06 2141	nnp
	Barium	202			0.74	5.0	1	ug/L	65232		05/02/06 2141	nnp
	Beryllium	ND	U		0.54	5.0	1	ug/L	65232		05/02/06 2141	nnp
	Cadmium	ND	U		1.1	10.0	1	ug/L	65232		05/02/06 2141	nnp
	Calcium	148000			56.0	300	1	ug/L	65232		05/02/06 2141	nnp
	Chromium	ND	U		1.3	10.0	1	ug/L	65232		05/02/06 2141	nnp
	Cobalt	3.1	B		1.8	10.0	1	ug/L	65232		05/02/06 2141	nnp
	Copper	ND	U		4.3	10.0	1	ug/L	65232		05/02/06 2141	nnp
	Iron	2300			54.0	200	1	ug/L	65232		05/02/06 2141	nnp
	Lead	27.5			3.0	10.0	1	ug/L	65232		05/02/06 2141	nnp
	Magnesium	35100			26.0	100	1	ug/L	65232		05/02/06 2141	nnp
	Manganese	5080			6.9	15.0	1	ug/L	65232		05/02/06 2141	nnp
	Nickel	6.9	B		1.9	10.0	1	ug/L	65232		05/02/06 2141	nnp
	Potassium	20000		J	191	400	1	ug/L	65232		05/02/06 2141	nnp
	Selenium	ND	U		5.0	30.0	1	ug/L	65232		05/02/06 2141	nnp
	Silver	ND	U		1.1	6.0	1	ug/L	65232		05/02/06 2141	nnp
	Sodium	92600			98.0	400	1	ug/L	65232		05/02/06 2141	nnp
	Thallium	ND	U		10.0	40.0	1	ug/L	65232		05/02/06 2141	nnp
	Vanadium	5.0	B		1.5	6.0	1	ug/L	65232		05/02/06 2141	nnp
	Zinc	22.8	B		11.0	50.0	1	ug/L	65232		05/02/06 2141	nnp

* In Description = Dry Wgt.

STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 212758

Date:05/08/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: GW-MW-5A
Date Sampled.....: 04/26/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212758-5
Date Received.....: 04/26/2006
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	ND	U		0.070	0.20	1.0000	ug/L	65200		05/02/06 1501	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	142	B		92.0	500	1	ug/L	65232		05/02/06 2147	nnp
	Antimony	ND	U		5.4	20.0	1	ug/L	65232		05/02/06 2147	nnp
	Arsenic	ND	U		3.9	40.0	1	ug/L	65232		05/02/06 2147	nnp
	Barium	189			0.74	5.0	1	ug/L	65232		05/02/06 2147	nnp
	Beryllium	ND	U		0.54	5.0	1	ug/L	65232		05/02/06 2147	nnp
	Cadmium	ND	U		1.1	10.0	1	ug/L	65232		05/02/06 2147	nnp
	Calcium	138000			56.0	300	1	ug/L	65232		05/02/06 2147	nnp
	Chromium	ND	U		1.3	10.0	1	ug/L	65232		05/02/06 2147	nnp
	Cobalt	ND	U		1.8	10.0	1	ug/L	65232		05/02/06 2147	nnp
	Copper	ND	U		4.3	10.0	1	ug/L	65232		05/02/06 2147	nnp
	Iron	15400			54.0	200	1	ug/L	65232		05/02/06 2147	nnp
	Lead	ND	U		3.0	10.0	1	ug/L	65232		05/02/06 2147	nnp
	Magnesium	35500			26.0	100	1	ug/L	65232		05/02/06 2147	nnp
	Manganese	1900			6.9	15.0	1	ug/L	65232		05/02/06 2147	nnp
	Nickel	ND	U		1.9	10.0	1	ug/L	65232		05/02/06 2147	nnp
	Potassium	35000		N E J	191	400	1	ug/L	65232		05/02/06 2147	nnp
	Selenium	ND	U	UJ	5.0	30.0	1	ug/L	65232		05/02/06 2147	nnp
	Silver	ND	U		1.1	6.0	1	ug/L	65232		05/02/06 2147	nnp
	Sodium	132000		E J	98.0	400	1	ug/L	65232		05/02/06 2147	nnp
	Thallium	ND	U	UJ	10.0	40.0	1	ug/L	65232		05/02/06 2147	nnp
	Vanadium	ND	U		1.5	6.0	1	ug/L	65232		05/02/06 2147	nnp
	Zinc	ND	U		11.0	50.0	1	ug/L	65232		05/02/06 2147	nnp

* In Description = Dry Wgt.

APPENDIX I

BL Companies Volume 16 of 16

The Data Quality Indicator & Associates, Inc. Volume I of I

Includes STL Project No. 213204

Data Validation Report

Brooklyn Whole Foods
Brooklyn, New York

Volume I of I

STL Project Nos. 213204/A06-7577

August 2006

Prepared for:
BL Companies
355 Research Parkway
Meriden, CT 06450

Prepared by:
The Data Quality Indicator & Associates, Inc.
13 Hickory Lane
Pawling, New York 12564

The Data Quality Indicator & Associates, Inc.

35 Pawling Lake
Pawling, NY 12564
(845) ~~855-9007~~ / 855-3636
E-mail: ~~*tomlinsdqi@aol.com*~~
tomlinsdqi2@aol.com

August 21, 2006

Mr. Jonah Barasz
BL Companies
355 Research Parkway
Meriden, CT 06450

Re: Data Validation Resubmittal
Brooklyn Whole Foods – STL Job No: 213204/A06-7577

Dear Mr. Barasz:

The Data Quality Indicator & Associates, Inc. (DQI) is please to submit the enclosed data validation report prepared for the Brooklyn Whole Foods Site. Draft validated Form I data were prepared and faxed to you on August 18 and 19, 2006 – the data validation report and final Form I data are presented in this submittal. This submittal includes the following information:

- Final data validation report;
- EPA Region II checklists; and
- Supporting documentation.

Although a DUSR validation was requested, DQI performed a thorough and comprehensive review of these data in order to accomplish the following: 1) to circumvent any potential data quality concerns and 2) to provide BL with more definitive information to assess site conditions.

If you have any questions or concerns regarding the information within this submittal, please call me at @ 845-855-3636 or email me @ tomlinsdqi2@aol.com.

Sincerely,

Carole A. Tomlins
President

Data Validation Report

Brooklyn Whole Foods
Brooklyn, New York

Volume I of I

STL Project Nos. 213204/A06-7577

August 2006

Prepared for:
BL Companies
355 Research Parkway
Meriden, CT 06450

Prepared by:
The Data Quality Indicator & Associates, Inc.
13 Hickory Lane
Pawling, New York 12564

Report Content

Volume I

Data Validation Memorandum 213204/A06-7577

Attachments-

1-NYS DUSR Requirements
2-Validated Form I Data
3-EPA Region II Data Validation Checklists – **Volatiles, Semivolatiles, PCBs,** and **Metals**
4-DQI, BL, and STL Correspondences
5-Copies of non-compliant QC

To: Jonah Barasz, *BL Companies*

From: Carole A. Tomlins, *DQI, Inc.* CAT

Re: Data Validation/Evaluation Assessment of Laboratory Results Reported for STL Job Number 213204/A06-7577

I. Introduction

A total of two soil samples were collected on June 30, 2006, from the Brooklyn Whole Foods Site which is located in Brooklyn, NY. These samples were subcontracted to Severn Trent Laboratories (STL), located in Shelton, Connecticut; STL-Ct is a participant of both the New York State Department of Health Environmental Laboratory Approval Program (ELAP #10602) and the National Environmental Laboratory Accreditation Program (NELAP #10602). STL received these samples on June 30, 2006. STL-Ct subcontracted one set of sample jars to their Buffalo facility (ELAP/NELAP #10026) which was received on July 1, 2006.

Data validation (dv) was performed on all sample data using the quality control sample results within this Job Number. Data validation consisted of an evaluation of both technical and contractual adherence to SW-846 methodologies - and qualifications were applied as specified in the NYSDEC Guidance for the Development of Data Usability Summary Reports (6/99). A copy of the DUSR data validation requirements is located in Attachment 1 of this report. STL reported these data in a CLP-like format in accordance with the NYS ASP B deliverable requirements. A copy of the NYS ASP B laboratory data deliverable package requirements is located in previous report submittals.

STL performed a Volatile (VOC), Semivolatile (SVOC), Polychlorinated biphenyls (PCBs), and Metals analysis in accordance with the requirements cited within SW-846 Methods 8260B, 8270C, 8082, and 6010B/7471A, respectively. This memorandum presents the data evaluation performed on samples associated with this Job Number. Evaluation procedures consisted of a review of the following quality controls indicators, where applicable: sample integrity, holding times, blank contamination, calibration information, laboratory control sample recoveries, surrogate recoveries, internal standard recoveries, BFB/DFTPP tuning criteria, GC performance criteria, analytical sequence criteria, matrix spike recoveries, laboratory duplicate analyses, field duplicate measurements, serial dilution analyses, interference check sample recoveries, TICs, dilutions performed, chromatogram evaluation, detection limits, reporting limits, moisture content, and calculations.

II. Summary of Findings

A summary of the data validation qualifications assigned to these data are presented in Attachment 2 of this report.

III. Data Assessment

Noted below is a summary of the quality control recoveries/adherence to method requirements identified during this review:

A. Volatiles:

- STL received the samples outside of the acceptable temperature criterion (8.2 ^{0}C). No qualifications were assigned to the data since the samples were collected the same day that the lab received the cooler (cooler was decreasing in temperature as the ice was melting).

- The samples collected for VOC analysis were analyzed on June 30 and July 2, 2006. All samples were analyzed within the holding time (HT) constraints of 14 days from the date of collection as specified in SW-846. In addition, the technical HT of 10 days from the date of collection as specified in section 2 of the data validation SOP was also met.

- The target compound list consisted of a total of 52 volatile compounds.

- The target compounds acetone (6.117 ug/Kg), methylene chloride (2.652 ug/Kg), and toluene (0.887 ug/Kg) were detected in method blank sample 68058-001; the following qualifications were assigned to sample PS-1:

  - Sample PS-1: methylene chloride was qualified "U" and adjusted to the SQL (i.e., RL); and
  - Sample PS-1: acetone was qualified "U".

- The target compounds acetone (6.420 ug/Kg) and methylene chloride (3.499) were detected in method blank sample 68088-001; the following qualifications were assigned to sample PS-2:

  - Sample PS-2: methylene chloride and acetone were qualified "U" and adjusted to the SQL (i.e., RL).

- One GC/MS instrument (i.e., MSN) was used to analyze these samples; the RRF, SPCC, and CCC instrument calibration criteria cited within 8260B were met. The following were noted:
  - The following %RSDs exceeded the 15% criterion in the initial calibration analyzed on 6/26/06: bromomethane (29.5%), iodomethane (16.1%), methylene chloride (17.6%), MEK (23.5%), chloroacetonitrile (28.7%), vinyl acetate (22.4%), methyl methacrylate (23.1%), 1,4-dioxane (16.2%), ethyl methacrylate (16.3%), 2-hexanone (24.1%), bromoform (19.2%), trans-1,4-dichloro-2-butene (17.6%), 1,2-dibromo-3-chloropropane (16.4%), and nitrobenzene (45.0%) – the target compounds in these samples were qualified as estimated.
  - The compound 2-chloroethylvinylether exhibited an RRF < 0.05 – the ND data in both samples were qualified as rejected.
  - The following %D exceeded the 20% continuing calibration criterion in CCV 6/30/06: dichlorodifluoromethane (33.0%), acetone (23.6%), carbon disulfide (23.6%), TBA (30.0%), MEK (25.9%), propionitrile (24.1%), chloroacetonitrile (25.0%), vinyl acetate (31.9%), methyl methacrylate (21.6%), 2-nitropropane (23.6%), 2-chloroethylvinylether (133.3%), MIBK (23.5%), 2-hexanone (28.8%), 1,1-dichloro-2-propanone (24.3%), benzyl chloride (20.4%), 1,2-dibromo-3-chloropropane (20.8%), 1,2,4-Trichlorobenzene (34.7%), naphthalene (23.9%), 1,2,3-trichlorobenzene (30.3%), methyl acetate (21.7%), and isobutyl alcohol (35.0%) – the target compounds in sample PS-1 were qualified as estimated with the exception of the compound 2-chloroethylvinylether which was previously rejected.

- The following %D exceeded the 20% continuing calibration criterion in CCV 7/2/06: dichlorodifluoromethane (24.4%), chloromethane (21.1%), vinyl acetate (21.6%), 2-chloroethylvinylether (41.7%), nitrobenzene (25.6%), and 1,2-dichloroethane-$_{d4}$ (24.9%) – the target compounds in sample PS-2 were qualified as estimated. It should be noted that the compound 2-chloroethylvinylether which was previously rejected.
- Any non-target compounds exhibiting RF values < 0.05 were not specifically mentioned in this memo.
- It should be noted that %RSD and/or %D exceedences of surrogate compounds are not used to qualify data.

- The LCS mixture consisted of 36 compounds - the LCS compounds recovered within the QC limits.

- In the matrix spike blank (MSB) sample, the compounds trichloroethene (122%) and cis-1,3-dichloropropene (114%) recovered above the QC limits – data were not qualified since this sample was analyzed on 6/21/06 along with the batch QC and was not analyzed on the same day project samples were analyzed.

- The MS and MSD analysis was performed on batch QC sample 213113-9 and the following compounds exceeded the STL QC limits: MS – MIBK (387%), 1,1,2-trichloroethane (169%), and 1,1,2,2-tetrachloroethane (266%) and MSD - MIBK (469%), 1,1,2-trichloroethane (183%), and 1,1,2,2-tetrachloroethane (283%)- data were not qualified for the following reasons: 1) this non-site sample may not be representative of matrix conditions at this site and 2) the results for this sample were submitted to meet ASP B reporting requirements. In addition, all RPD values exhibited recoveries less than the STL QC limits.

- All surrogate compounds recovered within the laboratory-established control limits with the exception of the surrogate compound BFB in sample PS-2 (148%) – in accordance with section 3.4 of the dv SOP the positive detections (i.e., acetone and methylene chloride) were qualified as estimated.

- All internal standard (IS) compounds recovered within the requirements of the method.

- All samples were analyzed within the 12-hour BFB tune criteria. In addition, the ion abundance ratios met BFB tuning requirement criteria.

- Field samples were analyzed straight (i.e., 1X).

- Sample chromatograms were of acceptable quality.

- The detection limits (i.e., MDL) were less than the reporting limits.

- The reporting limits used by STL are of acceptable analytical quality for comparison against regulatory criteria.

- Sample calculations and CLP-like forms were spot-checked and no problems were encountered.

- Ion spectra were reviewed and positive detections reported by STL were verified as accurate.

- Compounds reported on the TIC Form I's with a CAS # were qualified "NJ" or "JN" indicating presumptive evidence of the compound with an estimated concentration reported. Compounds reported on the TIC Form I's without a CAS # were qualified "J" indicating that an estimated concentration was reported for a compound that could not be identified with any certainty. It should be noted there were no TICs reported in either of the two method blank samples associated with this job number.

- Field duplicate samples were not collected.

- The %TS were > 50% with the exception of sample PS-1; the data were qualified as estimated and biased high. STL-Ct reanalyzed the %TS - and confirmed the presence of significant moisture content (included in Attachment 4).

B. Semivolatiles:

- STL received the samples within an acceptable temperature (2.0 ^{0}C).

- Field samples were extracted (7/3/06) and analyzed (7/5/06) within the method holding time criteria.

- The target compound list consisted of a total of 65 semivolatile compounds.

- Target compounds were not detected in the method (extraction) blank sample SBLK87.

- The GC/MS instrument (i.e., HP5973V) used to analyze these samples met all initial and continuing calibration criteria cited within 8270C with the following exceptions:

  Initial Calibration (6/19/06):

  - The following compound exceeded the %RSD criterion of 15%: 2, 4-Dinitrophenol (30.9%) – in accordance with section 13.4 of the data validation SOP, qualifications were not required since positive detections were not reported for the above compound.

  Continuing Calibration (7/5/06):

  - The following compound exceeded the %D criterion of 20%: 2, 4-Dinitrophenol (21.0%) – in accordance with section 14.5 of the data validation SOP, the data were qualified as estimated.

  In addition, it was verified that all sample analyses and instrument calibrations were analyzed using the same program method file.

- A MSB (i.e., LCS) recovered within the QC limits.

- An SVOC MS/MSD analysis was not requested on any of the site-specific samples collected – STL performed/submitted batch QC (i.e., A6751801) and some of the spikes recovered

below the QC criteria - data were not qualified since non-site QC data may not be representative of the matrix effects at this site.

- The surrogate compounds recovered within the laboratory-established control limits with the exception of surrogates in sample PS-2 which were diluted-out – qualifications are not required when surrogate compounds do not recover due to sample dilutions.
- All internal standard areas and retention times met SW-846 criteria.
- All samples were analyzed within the 12-hour DFTPP tune criteria; in addition, the ion abundance ratios met DFTPP tune criteria cited within Table 3 of the published method.
- Sample PS-1 was analyzed at a 5X dilution and sample PS-2 was analyzed at a 10X dilution.
- Sample chromatograms were of acceptable quality.
- The detection limits (i.e., MDL) were less than the reporting limits.
- The reporting limits used by STL are of acceptable analytical quality for comparison against regulatory criteria.
- Sample calculations and CLP-like forms were spot-checked and no problems were encountered.
- Ion spectra were reviewed and positive detections reported by STL were verified as accurate.
- Compounds reported on the TIC Form I with a CAS # were qualified "NJ" indicating presumptive evidence of the compound with an estimated concentration reported. Compounds reported on the TIC Form I without a CAS # were qualified "J" indicating that an estimated concentration was reported for a compound that could not be identified with any certainty.
- Field duplicate samples were not collected.
- The %TS were > 50% with the exception of sample PS-1; the data were qualified as estimated and biased high. STL-Buffalo reanalyzed the %TS - and Form I data were resubmitted.

C. PCBs:

- STL received the samples within an acceptable temperature (2.0 ^{0}C).
- Field samples were extracted (7/3/06) and analyzed (7/6/06) within the method holding time criteria. It should be noted that sulfur cleanup procedures were performed.
- Target compounds were not detected in the method (extraction) blank and/or instrument blank samples.
- GC instruments (HP5890-19A and HP5890-19B) in conjunction with the following columns were used to analyze these samples: ZB-35 (0.53 mm) and ZB-5 (0.53 mm). The initial

calibration criteria cited within 8082 were met - however, some calibration verification standards (CCV) recovered outside of the method criteria – these samples did not bracket the field samples and therefore data validation qualifications were not required.

The analytical sequence was performed in accordance with the requirements of the method (confirmed via raw data and injection logbook review).

- An MSB (i.e., LCS) extracted and analyzed with these samples recovered within the QC limits.

- A PCB MS/MSD analysis was not requested on any of the site-specific samples collected – STL performed/submitted batch QC (i.e., A6757403) and recoveries/RPD values exceeded the QC criteria - data were not qualified since non-site QC data may not be representative of the matrix effects at this site.

- All surrogate compounds recovered within the laboratory-established control limits with the following exceptions: DCBP in sample PS-2 (344%) – in accordance with section 3.4 of the dv SOP qualifications were not assigned to the data.

- All samples were analyzed straight (i.e., 1X).

- Sample chromatograms were of acceptable quality.

    - PCB identification: Visual review of the chromatograms in conjunction with both sets of instruments printouts confirms the presence of PCBs in sample PS-1. It should be noted that due to the absence of some of the CLP Forms - raw data were reviewed.

- The detection limits (i.e., MDL) were less than the reporting limits.

- The reporting limits used by STL are of acceptable analytical quality for comparison against regulatory criteria.

- Sample calculations were spot-checked and no problems were encountered.

- QC summary forms were spot-checked and no problems were encountered.

- Field duplicate samples were not collected.

- The %TS were > 50% with the exception of sample PS-1; the data were qualified as estimated and biased high. STL-Buffalo reanalyzed the %TS - and Form I data were resubmitted.

D. Metals (including mercury):

- STL received the samples in good condition.

- Samples were digested and analyzed within the method holding time criteria.

- The target analyte list consisted of 23 metals.

- Mercury was detected in one continuing calibration blank sample at a concentration of 0.1 ug/L - in accordance with section A.1.13.2 of the EPA Region II dv SOP qualifications were not required.

- The target analytes silver (1.2 ug/L) and sodium (214.8 ug/L) were detected in some of the CCB samples. In accordance with section A.1.13.2 of the EPA Region II dv SOP qualifications were not required.

- The target analyte silver (1.6 ug/L) was detected in the ICB sample - in accordance with section A.1.13.2 of the EPA Region II dv SOP – the analytes did not require qualifications.

- The correlation coefficient for the mercury calibration was > 0.995 as required by SW-846.

- An LCS samples recovered within the QC criteria.

- The ICV samples recovered within the required criteria.

- The CRI samples recovered within the STL QC limits of 50% - 150%.

- All CCV samples recovered within the required criteria with the exception of the analyte sodium (89%) in one CCV sample (7/6/06 @ 14:35) – qualifications were not required since this CCV is associated with QC samples and not any of the project samples.

- All samples were analyzed straight (i.e., 1X).

- For the ICP metals, the laboratory duplicate was performed on non-site sample 213213-3 and all RPD values were less than the laboratory QC criteria with the exception of the analytes calcium (42.0) and manganese (30.2) – data were not qualified since this sample may not be representative of the matrix effects/interferences at this site. For the mercury analysis, the laboratory duplicate was performed on non-site sample 213192-2 with an RPD value less than the laboratory established control limit.

- For the ICP metals, the matrix spike analysis was performed on non-site sample 213213-3 and all spikes recovered within the laboratory QC criteria with the exception of the analytes aluminum (70%), antimony (31%), beryllium (130%), calcium (-745%), iron (-543%), lead (68%), magnesium (-34%), manganese (-287%), potassium (73%), sodium (131%), and zinc (140%); data were not qualified since non-site QC data may not be representative of the matrix effects at this site. For the mercury analysis, the matrix spike analysis was performed on non-site sample 213192-2 which exhibited a recovery within the control limits. For the ICP analysis, it should be noted a post-digestion spiked analysis as required by the method was performed and included in this deliverable.

- For the ICP metals, the serial dilution was performed on site sample 213204-3 - all analyte recoveries met the laboratory established criteria.

- The interference check sample (i.e., ISB) recovered within the QC limits with the exception of the analyte thallium (57%) which recovered below the lower control limit of 80% – per section A.1.15.2 of the EPA Region II SOP the data were qualified as estimated.

- The detection limits (i.e., IDL/MDL) were less than the reporting limits.

- The reporting limits used by STL are of acceptable analytical quality for comparison against regulatory criteria.

- Sample calculations and CLP-like forms were spot-checked and the following errors were noted:

  - The form 14 noted the SD as 1X – these samples should reflect a 5X dilution; and
  - The form 14 reports "other" non-relevant sample information.

- Field duplicate samples were not collected.

- The %TS were > 50% with the exception of sample PS-1; the data were qualified as estimated and biased high. STL-Ct reanalyzed the %TS - and confirmed the presence of significant moisture content (included in Attachment 4).

IV. Miscellaneous Data Review Items

1) All raw data and QC forms within this data deliverable were reviewed.

2) In instances where discrepancies in either analysis or reporting of this data were identified, STL was contacted for clarification, revisions, and/or resubmittals (see Attachment 4). The following pages were replaced in the STL-CT data package: pages 20, 21, 45, 46, 148, and 153. The following pages were replaced and/or added to the STL-Buffalo data package: pages 127, 127A, 148, 148A, 148B, 13-22, 58-61, 81-84, 184, 200, 207, 396, and Appendix A.

3) Target software used to generated quant reports does not always include the following on the instrument print-outs: 1) on-column concentrations, and 2) labeling peaks with the compound name.

4) EPA Region II checklists were completed during the preparation of this DUSR summary and are presented in Attachment 3 of this report. In lieu of Laboratory Standard Operating Procedures, the published methods were used to evaluate method compliance – copies of the methods are located in previous report submittals. It should be noted that the analysis SOPs were used to assess the data; extraction/preparation SOPs were not used to evaluate the data.

5) Any relevant correspondences between DQI, BL, and STL staff are noted in Attachment 4 of this report.

6) During the validation process – lab flags were removed from the Form I's and replaced with data validation qualifiers.

7) Copies of non-compliant QC are included in Attachment 5 of this report.

ATTACHMENT 1

New York State Department of Environmental Conservation
Division of Environmental Remediation

Guidance for the Development of Data Usability Summary Reports

Background:

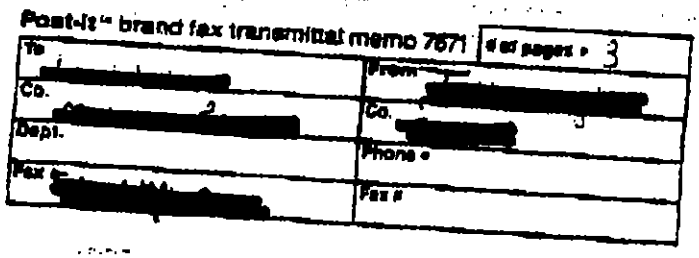
The Data Usability Summary Report (DUSR) provides a thorough evaluation of analytical data without the costly and time consuming process of third party data validation. The primary objective of a DUSR is to determine whether or not the data, as presented, meets the site/project specific criteria for data quality and data use.

Though the substitution of a DUSR for a full third party data validation may seem to be a relaxation of the Division's quality assurance requirements, this is definitely not the case. The development of the DUSR must be carried out by an experienced environmental scientist, such as the project Quality Assurance Officer, who is fully capable of conducting a full data validation. Furthermore, the DUSR is developed from a full New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B or a United States Environmental Protection Agency Contract Laboratory Protocol (USEPA CLP) deliverables package.

The DUSR and the data deliverables package will be reviewed by the Division's Quality Assurance Unit. In most cases, we expect that this review will result in agreement or with only minor differences that can be easily reconciled. If data validation is found to be necessary (e.g. pending litigation) this can be carried out at a later date on the same data package used for the development of the DUSR.

Personnel Requirements:

The Environmental Scientist preparing the DUSR must hold a Bachelors Degree in a relevant natural or physical science or field of engineering and must submit a resume to the Division's Quality Assurance Unit documenting experience in environmental sampling, analysis and data review.



Preparation of a DUSR:

The DUSR is developed by reviewing and evaluating the analytical data package. During the course of this review the following questions must be asked and answered:

1. Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

2. Have all holding times been met?

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

4. Have all of the data been generated using established and agreed upon analytical protocols?

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

6. Have the correct data qualifiers been used?

   Evaluation of NYSDEC ASP Matrix Spike Blank (MSB) data - If the MSB recovery is less than the ASP criteria, the positive results should be qualified as J, estimated biased low. If the MSB recovery is less than the ASP criteria, but greater than 10%, the nondetects should be qualified J, biased low. If the MSB recovery is less than 10%, the nondetect data must be rejected.

Any Quality Control exceedances must be numerically specified in the DUSR and the corresponding QC summary sheet from the data package should be attached to the DUSR.

All data that would be rejected by the EPA Region 2 Data Validation Guidelines must also be rejected in the DUSR.

Once the data package has been reviewed and the above questions asked and answered the DUSR proceeds to describe the samples and the analytical parameters. Data deficiencies, analytical protocol deviations and

quality control problems are identified and their effect on the data is discussed. The DUSR shall also include recommendations on resampling/reanalysis. All data qualifications must be documented following the NYSDEC ASP '95 Rev. guidelines or the EPA Region 2 data validation guidelines.

Contact Christine McGrath of the Division of Environmental Remediation Quality Assurance Group at (518) 457-3363, with any questions on the preparation of a DUSR.

Revised 06/99

ATTACHMENT 2

Acetone = $\frac{6.117 \times 10}{.165} = 370.73$

MC = $\frac{2.652 \times 10}{.165} = 160.73$

5

STL Connecticut

LABORATORY TEST RESULTS

Job Number: 213204 — Date: 07/12/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	16.5			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid 83.5%	83.5			0.10	0.10	1	%	68101		07/03/06 0000	rlm
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND		UJ	7.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloromethane, Solid*	ND		UJ	5.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Vinyl chloride, Solid*	ND		UJ	5.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromomethane, Solid*	ND		UJ	5.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloroethane, Solid*	ND		UJ	11	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Trichlorofluoromethane, Solid*	ND		UJ	3.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1-Dichloroethene, Solid*	ND		UJ	6.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Carbon disulfide, Solid*	12		J	3.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Acetone, Solid*	210		J	19	120	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Methylene chloride, Solid*	120 23		J	13	120	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	trans-1,2-Dichloroethene, Solid*	ND		UJ	3.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Methyl-tert-butyl-ether (MTBE), Solid*	ND		UJ	5.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1-Dichloroethane, Solid*	ND		UJ	4.9	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Vinyl acetate, Solid*	ND		UJ	16	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	cis-1,2-Dichloroethene, Solid*	ND		UJ	6.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	2-Butanone (MEK), Solid*	ND		UJ	11	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloroform, Solid*	ND		UJ	3.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,1-Trichloroethane, Solid*	ND			5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Carbon tetrachloride, Solid*	ND			4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Benzene, Solid*	ND			5.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichloroethane, Solid*	ND			6.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Trichloroethene, Solid*	ND			4.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichloropropane, Solid*	ND			6.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromodichloromethane, Solid*	ND			5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd

* In Description = Dry Wgt.

Tol = $\frac{0.887 \times 5}{.165} = 26.88$

L

LABORATORY TEST RESULTS

Job Number: 213204

Date:07/12/2006

CUSTOMER: EL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloroethylvinylether, Solid*	ND	U	R	8.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U	UJ	4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U	UJ	7.2	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Toluene, Solid*	340		J	5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U	UJ	5.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		6.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Tetrachloroethene, Solid*	ND	U		4.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	2-Hexanone, Solid*	ND	U	UJ	15	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Dibromochloromethane, Solid*	ND	U	UJ	2.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chlorobenzene, Solid*	ND	U		4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Ethylbenzene, Solid*	ND	U		4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	m&p-Xylenes, Solid*	ND	U		8.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	o-Xylene, Solid*	ND	U		4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Styrene, Solid*	ND	U		6.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromoform, Solid*	ND	U	UJ	6.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Isopropylbenzene, Solid*	ND	U	UJ	6.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		7.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	n-Propylbenzene, Solid*	ND	U		4.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,3,5-Trimethylbenzene, Solid*	ND	U		5.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	tert-Butylbenzene, Solid*	ND	U		4.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2,4-Trimethylbenzene, Solid*	ND	U		3.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	sec-Butylbenzene, Solid*	ND	U		5.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,3-Dichlorobenzene, Solid*	ND	U		8.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	p-Isopropyltoluene, Solid*	ND	U		5.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,4-Dichlorobenzene, Solid*	ND	U		7.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	n-Butylbenzene, Solid*	ND	U		4.9	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichlorobenzene, Solid*	ND	U		5.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Naphthalene, Solid*	25		J	4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd

* In Description = Dry Wgt.

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

PS-1

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: 213204-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N7052

Level: (low/med) LOW Date Received: 06/30/06

% Moisture: not dec. 84 Date Analyzed: 06/30/06

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-66-0	PENTANE	1.62	54	NJ JN
2.	592-13-2	HEXANE, 2,5-DIMETHYL-	5.80	78	NJ
3.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	10.53	37	NJ
4.	99-87-6	BENZENE, 1-METHYL-4-(1-METHY	10.93	58	NJ
5.		UNKNOWN ALKYLBENZENE	11.28	51	J
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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30.					

FORM I VOA-TIC

LABORATORY TEST RESULTS

Job Number: 213204 — Date: 07/12/2006

CUSTOMER: EL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	LT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid >80% ✓	84.9			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid	15.1			0.10	0.10	1	%	68101		07/03/06 0000	rlm
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U	UJ	1.5	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloromethane, Solid*	ND	U	UJ	1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Vinyl chloride, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromomethane, Solid*	ND	U	UJ	0.97	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloroethane, Solid*	ND	U		2.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Trichlorofluoromethane, Solid*	ND	U		0.71	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.3	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Carbon disulfide, Solid*	ND	U		0.72	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Acetone, Solid*	24 ~~4.2~~	J	~~J~~ UJ	3.7	24	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Methylene chloride, Solid*	24 ~~12~~	J	~~J~~ UJ	2.6	24	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.68	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.95	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Vinyl acetate, Solid*	ND	U	UJ	3.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	2-Butanone (MEK), Solid*	ND	U	UJ	2.1	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloroform, Solid*	ND	U		0.62	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Carbon tetrachloride, Solid*	ND	U		0.92	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Benzene, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Trichloroethene, Solid*	ND	U		0.80	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromodichloromethane, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd

* In Description = Dry Wgt.

Job Number: 213204

LABORATORY TEST RESULTS

Date: 07/12/2006

CUSTOMER: EL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloroethylvinylether, Solid*	ND	~~U~~	~~R~~	1.6	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.92	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.4	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Toluene, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Tetrachloroethene, Solid*	ND	U		0.82	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	2-Hexanone, Solid*	ND	~~U~~	UJ	3.0	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Dibromochloromethane, Solid*	ND	U		0.48	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chlorobenzene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Ethylbenzene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	m&p-Xylenes, Solid*	ND	U		1.6	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	o-Xylene, Solid*	ND	U		0.91	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Styrene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromoform, Solid*	ND	~~U~~	UJ	1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Isopropylbenzene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	n-Propylbenzene, Solid*	ND	U		0.86	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,3,5-Trimethylbenzene, Solid*	ND	U		0.98	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	tert-Butylbenzene, Solid*	ND	U		0.82	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2,4-Trimethylbenzene, Solid*	ND	U		0.72	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	sec-Butylbenzene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,3-Dichlorobenzene, Solid*	ND	U		1.7	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	p-Isopropyltoluene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,4-Dichlorobenzene, Solid*	ND	U		1.4	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	n-Butylbenzene, Solid*	ND	U		0.95	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichlorobenzene, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Naphthalene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd

* In Description = Dry Wgt.

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

PS-2

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: 213204-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N7066

Level: (low/med) LOW Date Received: 06/30/06

% Moisture: not dec. 15 Date Analyzed: 07/02/06

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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30.					

FORM I VOA-TIC

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

13/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	7100	U UJ
208-96-8	Acenaphthylene	7100	U
98-86-2	Acetophenone	7100	U
120-12-7	Anthracene	7100	U
1912-24-9	Atrazine	7100	U
100-52-7	Benzaldehyde	7100	U
56-55-3	Benzo(a)anthracene	510	J
205-99-2	Benzo(b)fluoranthene	480	J
207-08-9	Benzo(k)fluoranthene	7100	U UJ
191-24-2	Benzo(ghi)perylene	420	J
50-32-8	Benzo(a)pyrene	390	J
92-52-4	Biphenyl	7100	U UJ
111-91-1	Bis(2-chloroethoxy) methane	7100	U
111-44-4	Bis(2-chloroethyl) ether	7100	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	7100	U
117-81-7	Bis(2-ethylhexyl) phthalate	7100	U
101-55-3	4-Bromophenyl phenyl ether	7100	U
85-68-7	Butyl benzyl phthalate	7100	U
105-60-2	Caprolactam	7100	U
106-47-8	4-Chloroaniline	7100	U
59-50-7	4-Chloro-3-methylphenol	7100	U
91-58-7	2-Chloronaphthalene	7100	U
95-57-8	2-Chlorophenol	7100	U
7005-72-3	4-Chlorophenyl phenyl ether	7100	U
86-74-8	Carbazole	7100	U
218-01-9	Chrysene	470	J
53-70-3	Dibenzo(a,h)anthracene	7100	U UJ
132-64-9	Dibenzofuran	7100	U
84-74-2	Di-n-butyl phthalate	7100	U
91-94-1	3,3'-Dichlorobenzidine	34000	U
120-83-2	2,4-Dichlorophenol	7100	U
84-66-2	Diethyl phthalate	7100	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

14/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	7100	UJ
131-11-3	Dimethyl phthalate	7100	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
51-28-5	2,4-Dinitrophenol	34000	U
121-14-2	2,4-Dinitrotoluene	7100	U
606-20-2	2,6-Dinitrotoluene	7100	U
117-84-0	Di-n-octyl phthalate	7100	U
206-44-0	Fluoranthene	720	J
86-73-7	Fluorene	7100	UJ
118-74-1	Hexachlorobenzene	7100	U
87-68-3	Hexachlorobutadiene	7100	U
77-47-4	Hexachlorocyclopentadiene	7100	U
67-72-1	Hexachloroethane	7100	U
193-39-5	Indeno(1,2,3-cd)pyrene	7100	U
78-59-1	Isophorone	7100	U
91-57-6	2-Methylnaphthalene	7100	U
95-48-7	2-Methylphenol	7100	U
106-44-5	4-Methylphenol	1600	J
91-20-3	Naphthalene	7100	UJ
88-74-4	2-Nitroaniline	34000	U
99-09-2	3-Nitroaniline	34000	U
100-01-6	4-Nitroaniline	34000	U
98-95-3	Nitrobenzene	7100	U
88-75-5	2-Nitrophenol	7100	U
100-02-7	4-Nitrophenol	34000	U
86-30-6	N-nitrosodiphenylamine	7100	U
621-64-7	N-Nitroso-Di-n-propylamine	7100	U
87-86-5	Pentachlorophenol	34000	U
85-01-8	Phenanthrene	7100	U
108-95-2	Phenol	600	J
129-00-0	Pyrene	780	J
95-95-4	2,4,5-Trichlorophenol	17000	UJ

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

15/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	7100	U

FORM I - GC/MS BNA

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

16/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77.1 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	57-10-3	N-HEXADECANOIC ACID	13.84	7400	JN
2.	60-33-3	(Z,Z)-9,12-OCTADECADIENOIC A	14.53	24000	JN
3.		UNKNOWN	14.56	57000	J
4.		UNKNOWN CHOLESTEN DERIVATIVE	17.69	9000	J
5.		UNKNOWN	17.85	3200	J

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

17/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	110000	
208-96-8	Acenaphthylene	39000	J
98-86-2	Acetophenone	80000	U
120-12-7	Anthracene	210000	
1912-24-9	Atrazine	80000	U
100-52-7	Benzaldehyde	80000	U
56-55-3	Benzo(a)anthracene	570000	
205-99-2	Benzo(b)fluoranthene	870000	
207-08-9	Benzo(k)fluoranthene	900000	
191-24-2	Benzo(ghi)perylene	250000	
50-32-8	Benzo(a)pyrene	510000	
92-52-4	Biphenyl	11000	J
111-91-1	Bis(2-chloroethoxy) methane	80000	U
111-44-4	Bis(2-chloroethyl) ether	80000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	80000	U
117-81-7	Bis(2-ethylhexyl) phthalate	80000	U
101-55-3	4-Bromophenyl phenyl ether	80000	U
85-68-7	Butyl benzyl phthalate	80000	U
105-60-2	Caprolactam	80000	U
106-47-8	4-Chloroaniline	80000	U
59-50-7	4-Chloro-3-methylphenol	80000	U
91-58-7	2-Chloronaphthalene	80000	U
95-57-8	2-Chlorophenol	80000	U
7005-72-3	4-Chlorophenyl phenyl ether	80000	U
86-74-8	Carbazole	150000	
218-01-9	Chrysene	520000	
53-70-3	Dibenzo(a,h)anthracene	81000	
132-64-9	Dibenzofuran	87000	
84-74-2	Di-n-butyl phthalate	80000	U
91-94-1	3,3'-Dichlorobenzidine	390000	U
120-83-2	2,4-Dichlorophenol	80000	U
84-66-2	Diethyl phthalate	80000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

18/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	80000	U
131-11-3	Dimethyl phthalate	80000	U
534-52-1	4,6-Dinitro-2-methylphenol	390000	U
51-28-5	2,4-Dinitrophenol	390000	UJ
121-14-2	2,4-Dinitrotoluene	80000	U
606-20-2	2,6-Dinitrotoluene	80000	U
117-84-0	Di-n-octyl phthalate	80000	U
206-44-0	Fluoranthene	1200000	
86-73-7	Fluorene	130000	
118-74-1	Hexachlorobenzene	80000	U
87-68-3	Hexachlorobutadiene	80000	U
77-47-4	Hexachlorocyclopentadiene	80000	U
67-72-1	Hexachloroethane	80000	U
193-39-5	Indeno(1,2,3-cd)pyrene	260000	
78-59-1	Isophorone	80000	U
91-57-6	2-Methylnaphthalene	59000	J
95-48-7	2-Methylphenol	80000	U
106-44-5	4-Methylphenol	80000	U
91-20-3	Naphthalene	170000	
88-74-4	2-Nitroaniline	390000	U
99-09-2	3-Nitroaniline	390000	U
100-01-6	4-Nitroaniline	390000	U
98-95-3	Nitrobenzene	80000	U
88-75-5	2-Nitrophenol	80000	U
100-02-7	4-Nitrophenol	390000	U
86-30-6	N-nitrosodiphenylamine	80000	U
621-64-7	N-Nitroso-Di-n-propylamine	80000	U
87-86-5	Pentachlorophenol	390000	U
85-01-8	Phenanthrene	1000000	
108-95-2	Phenol	80000	U
129-00-0	Pyrene	960000	
95-95-4	2,4,5-Trichlorophenol	190000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

19/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	80000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

20/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 19.7 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	90-12-0	1-METHYLNAPHTHALENE	9.74	55000	JN
2.	486-25-9	9H-FLUOREN-9-ONE	12.92	74000	JN
3.		UNKNOWN PAH	13.02	64000	J
4.		UNKNOWN PAH	13.72	130000	J
5.		UNKNOWN PAH	13.75	180000	J
6.		UNKNOWN PAH	13.80	56000	J
7.		UNKNOWN	13.83	230000	J
8.		UNKNOWN PAH	13.86	94000	J
9.	35465-71-5	2-PHENYLNAPHTHALENE	14.05	97000	JN
10.	84-65-1	9,10-ANTHRACENEDIONE	14.06	140000	JN
11.		UNKNOWN PAH	14.30	100000	J
12.		UNKNOWN	14.33	45000	J
13.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	14.38	100000	JN
14.		UNKNOWN	16.56	84000	J
15.		UNKNOWN PAH	16.79	100000	J
16.		UNKNOWN	16.87	75000	J
17.		UNKNOWN PAH	16.95	390000	J
18.		UNKNOWN PAH	17.99	60000	J
19.		UNKNOWN PAH	18.25	81000	J
20.		UNKNOWN PAH	18.60	96000	J

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

200/406

Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.21 (g/mL) G Lab File ID: 19B60126.TX0

% Moisture: 77 decanted: (Y/N) N Date Samp/Recv: 06/30/2006 07/01/2006

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/03/2006

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: N/A Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	14	UJ
11104-28-2	Aroclor 1221	30	UJ
11141-16-5	Aroclor 1232	14	UJ
53469-21-9	Aroclor 1242	12	UJ
12672-29-6	Aroclor 1248	17	UJ
11097-69-1	Aroclor 1254	120	J
11096-82-5	Aroclor 1260	180	J

7/6/06 13:23

FORM I - GC EXT

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

207/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.69 (g/mL) G Lab File ID: 19B60128.TX0

% Moisture: 20 decanted: (Y/N) N Date Samp/Recv: 06/30/2006 07/01/2006

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/03/2006

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	4.0	U
11104-28-2	Aroclor 1221	8.5	U
11141-16-5	Aroclor 1232	3.8	U
53469-21-9	Aroclor 1242	3.5	U
12672-29-6	Aroclor 1248	4.8	U
11097-69-1	Aroclor 1254	10	U
11096-82-5	Aroclor 1260	8.0	U

7/6/06 13:39

STL Connecticut

LABORATORY TEST RESULTS

Job Number: 213204

Date:07/11/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

1x

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid (250)u	16.5			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid	83.5			0.10	0.10	1	%	68101		07/03/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.72		J	0.063	0.21	1.0000	mg/Kg	68178		07/05/06 1340	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4810		J	93.5	1210	1	mg/Kg	68269		07/06/06 1942	nnp
	Antimony, Solid*	ND	U	N UJ	5.3	54.7	1	mg/Kg	68269		07/06/06 1942	nnp
	Arsenic, Solid*	69.4		J	5.7	37.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Barium, Solid*	421		J	0.86	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Beryllium, Solid*	ND	U	N UJ	2.3	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Cadmium, Solid*	7.4	B	J	4.7	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Calcium, Solid*	14900			54.2	397	1	mg/Kg	68269		07/06/06 1942	nnp
	Chromium, Solid*	68.8			1.6	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Cobalt, Solid*	24.3			2.0	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Copper, Solid*	365			3.7	23.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Iron, Solid*	180000			47.7	678	1	mg/Kg	68269		07/06/06 1942	nnp
	Lead, Solid*	751			3.6	42.1	1	mg/Kg	68269		07/06/06 1942	nnp
	Magnesium, Solid*	8810			43.0	164	1	mg/Kg	68269		07/06/06 1942	nnp
	Manganese, Solid*	15600			3.0	11.7	1	mg/Kg	68269		07/06/06 1942	nnp
	Nickel, Solid*	113			2.1	23.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Potassium, Solid*	2750			187	935	1	mg/Kg	68269		07/06/06 1942	nnp
	Selenium, Solid*	8.6	U		7.5	74.8	1	mg/Kg	68269		07/06/06 1942	nnp
	Silver, Solid*	ND	U	UJ	1.5	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Sodium, Solid*	19400			93.5	440	1	mg/Kg	68269		07/06/06 1942	nnp
	Thallium, Solid*	19.8			19.5	93.5	1	mg/Kg	68269		07/06/06 1942	nnp
	Vanadium, Solid*	78.9			1.7	18.7	1	mg/Kg	68269		07/06/06 1942	nnp

* In Description = Dry Wgt.

STL Connecticut

Job Number: 213204

LABORATORY TEST RESULTS

Date:07/11/2006

CUSTOMER: BL COMPANIES | PROJECT: BROOKLYN WHOLE FOODS | ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	1610		J	17.8	93.5	1	mg/Kg	68269		07/06/06 1942	nnp

* In Description = Dry Wgt.

STL Connecticut

Job Number: 213204

LABORATORY TEST RESULTS

Date:07/11/2006

CUSTOMER: BL COMPANIES | PROJECT: BROOKLYN WHOLE FOODS | ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

1x

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid 78%	84.9			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid	15.1			0.10	0.10	1	%	68101		07/03/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.80			0.016	0.052	1.0000	mg/Kg	68178		07/05/06 1341	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6950			21.3	275	1	mg/Kg	68269		07/06/06 1948	nnp
	Antimony, Solid*	1.8	B	N	1.2	12.5	1	mg/Kg	68269		07/06/06 1948	nnp
	Arsenic, Solid*	32.9			1.3	8.5	1	mg/Kg	68269		07/06/06 1948	nnp
	Barium, Solid*	412			0.20	2.1	1	mg/Kg	68269		07/06/06 1948	nnp
	Beryllium, Solid*	0.91	B	N	0.53	2.1	1	mg/Kg	68269		07/06/06 1948	nnp
	Cadmium, Solid*	4.5			1.1	3.2	1	mg/Kg	68269		07/06/06 1948	nnp
	Calcium, Solid*	26900		*	12.4	90.7	1	mg/Kg	68269		07/06/06 1948	nnp
	Chromium, Solid*	37.2			0.36	3.2	1	mg/Kg	68269		07/06/06 1948	nnp
	Cobalt, Solid*	7.0			0.45	2.1	1	mg/Kg	68269		07/06/06 1948	nnp
	Copper, Solid*	212			0.85	5.3	1	mg/Kg	68269		07/06/06 1948	nnp
	Iron, Solid*	15900			10.9	155	1	mg/Kg	68269		07/06/06 1948	nnp
	Lead, Solid*	710			0.81	9.6	1	mg/Kg	68269		07/06/06 1948	nnp
	Magnesium, Solid*	3990			9.8	37.3	1	mg/Kg	68269		07/06/06 1948	nnp
	Manganese, Solid*	231		*	0.68	2.7	1	mg/Kg	68269		07/06/06 1948	nnp
	Nickel, Solid*	28.3			0.47	5.3	1	mg/Kg	68269		07/06/06 1948	nnp
	Potassium, Solid*	861		N	42.7	213	1	mg/Kg	68269		07/06/06 1948	nnp
	Selenium, Solid*	3.7	B		1.7	17.1	1	mg/Kg	68269		07/06/06 1948	nnp
	Silver, Solid*	1.1	B		0.34	3.2	1	mg/Kg	68269		07/06/06 1948	nnp
	Sodium, Solid*	520		N	21.3	100	1	mg/Kg	68269		07/06/06 1948	nnp
	Thallium, Solid*	ND		UJ	4.4	21.3	1	mg/Kg	68269		07/06/06 1948	nnp
	Vanadium, Solid*	58.5			0.38	4.3	1	mg/Kg	68269		07/06/06 1948	nnp

* In Description = Dry Wgt.

STL Connecticut

Job Number: 213204

LABORATORY TEST RESULTS

Date:07/11/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	977		N	4.1	21.3	1	mg/Kg	68269		07/06/06 1948	mnp

* In Description = Dry Wgt.

ATTACHMENT 3

VOC's

213204
-Soils

SOP NO. HW-24
Revision 1
June 1999

STANDARD OPERATING PROCEDURE FOR THE VALIDATION OF ORGANIC DATA ACQUIRED USING SW-846 METHOD 8260B (Rev 2, Dec 1996)

VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS) : CAPILLARY COLUMN TECHNIQUE

N/A = Not Applicable

TABLE of CONTENTS

INTRODUCTION

Scope and Applicability

This SOP offers detailed guidance in evaluating laboratory data generated according to the USEPA SW-846, Method 8260B. The validation methods and actions discussed in this document are based on the requirements set forth in USEPA SW-846, Chapter Two, Rev 3, December 1996; Method 8000B, Rev 2, December 1996; Method 8260B, Rev 2, December 1996; and "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," February, 1994. This document covers technical as well as method specific problems; however situations may arise where data limitations must be assessed based on the reviewer's own professional judgement.

Summary

To ensure a thorough evaluation of each result in a data case, the reviewer must complete the checklist within this SOP, answering specific questions while performing the prescribed "ACTIONS" in each section. Qualifiers (or flags) are applied to questionable or unusable results as instructed. The data qualifiers discussed in this document are defined on page 25.

The reviewer must prepare a detailed data assessment to be submitted along with the complete SOP checklist. The Data Assessment must list all data qualifications, reasons for qualifications, instances of missing data, and contract non-compliance.

S))Q

YES NO N/A

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 213204 LAB: STL-CT

SITE NAME: Brooklyn Whole Foods

1.0 Data Completeness and Deliverables — CLP-like

1.1 Has all data been submitted in CLP deliverable format or CLP Forms Equivalent? [X] ___ ___

ACTION: If not, note the effect on review of the data in the Data Assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative, signed release, or cover letter present? [X] ___ ___

2.2 Are case number and SDG number(s) contained in the narrative or cover letter? [X] ___ ___

II. VOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the ~~Traffic Reports~~ (NOT CLP) s, Chain of Custodies, or signed releases from the field samplers present for all samples? [X] ___ ___

ACTION: If no, contact the laboratory/sampling team for replacement of missing or illegible copies.

1.2 Is a sampling trip report present (if required)? Not CLP [ ] ___ X

1.3 Sample Conditions/Problems

1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? X [ ] ___

Mins QC

YES NO N/A

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

PS-1 % TS confirmed 8/14/06

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated (>10°C), flag all positive results "J" and all non-detects "UJ".

Ice did not have a chance to melt

2.0 Holding Times

2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded? ___ [X] ___

The holding time for aqueous samples is 14 days.

The holding time for soils is 10 days.

- collected 6/30/06
- analyzed 6/30/06 + 7/2/06

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with acid to a pH<2 and stored at 4°C, then aqueous samples must be analyzed within 14 days from time of collection. If uncertain about preservation, contact the laboratory/sampling team to determine whether or not samples were preserved.

ACTION: If holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

8.2°C - PS = no qualification

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon reanalysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that

S)))Q

YES NO N/A

non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1 Have the volatile surrogate recoveries been listed on Surrogate Recovery forms for each of the following matrices:

a. Water [ ] ___ X

b. Soil [X] ___ ___

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery forms for each matrix:

a. Water [ ] ___ X

b. Soil [X] ___ ___

ACTION: If large errors exist, deliverables are unavailable or information is missing, document the effect(s) in Data Assessments and contact the laboratory/project officer/appropriate official for an explanation/resubmittal, make any necessary corrections and document effect in the Data Assessment.

PS-2 BFB ✓

3.3 Were outliers marked correctly with an asterisk? [X] ___ ___

ACTION: Circle all outliers with a red pencil.

3.4 Were one or more volatile surrogate recoveries out of specification for any sample or method blank (Surrogate recovery is 80-120% for aqueous and 70-130% for soil/sediment samples)? X [ ] ___

NOTE: Laboratory may use in-house performance criteria (as per SW-846, 8000B-43, Sect. 8.6 & 8.7).

If yes, were samples reanalyzed? [X]

Were method blanks reanalyzed? ↑ associated w/run [X]

Not submitted - only 1 set of data reported

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

YES NO N/A

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any surrogate has a recovery of < 10%:

1. Positive results are qualified with ("J").
2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. Check the internal standard areas.

3.5 Are there any transcription/calculation errors between raw data and reported data? — [X] —

ACTION: If large errors exist, take action as specified in section 3.2 above.

4.0 Laboratory Control Samples/Matrix Spikes (CLP Form III Equivalent)

4.1 Have the volatile Laboratory Control Samples (LCS) recoveries been listed on the laboratory reporting form? [X] — —

NOTE: If the data has not been reported, then contact the laboratory/project officer to obtain the information necessary to evaluate the spike recoveries in the MS, MSD, and LCS. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

S))Q

YES NO N/A

NOTE: The LCS spike is spiked with the same analytes at the same concentrations as the matrix spike (as per SW-846, 8000B-40, Sect. 8.5) if different, make note in Data Assessment.

4.2 Were Laboratory Control Samples analyzed at the required frequency for each of the following matrices:

a.	Water	[ ]	___	X
b.	Soil	[X]	___	___
c.	Med Soil	[ ]	___	X

ACTION: If any LCS data are missing, take the action specified in section 3.2 above.

4.3 How many LCS volatile spike recoveries are outside QC limits?

N/R

Water	Soil
____ out of ____	0 out of 36

2 sets

0 out of 36

ACTION: Circle all outliers with a red pencil.

4.4 Were one or more of the volatile LCS recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000B-41, Sect. 8.5.4. ___ [X] ___

ACTION:
1. If the recovery is > upper in-house limit (or 130%), only positive values for the affected compound(s) are flagged "J".
2. If the recovery is < lower in-house limit (or 70%), flag positive values for the affected compound(s) "J" and non-detects "R".

All analytes in associated sample results are qualified for the following criteria.

1. If 25% of the LCS recoveries were < lower in-house limit (or 70%) qualify all positive results "J" and all non-detects "R".
2. If two or more LCS recoveries were < 10% qualify all positive results "J" and all non-detects "R".

	YES	NO	N/A
4.5 Have the volatile Matrix Spike(MS)/Matrix Spike Duplicate (MSD) recoveries been listed on the laboratory reporting form?	[X]	___	___
4.6 Were matrix spikes analyzed at the required frequency for each of the following matrices:			
a. Water	[ ]	___	X
b. Soil	[X]	___	___
c. Med Soil	[ ]	___	X

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, 8260B-25, Sect. 8.4.2)

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above.

Batch QC - 213113-9

4.7 How many MS/MSD volatile spike recoveries are outside QC limits?

Water	Soil
____ out of ____ (N/A)	6 out of 68

4.8 How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?

Water	Soil
____ out of ____ (N/A)	0 out of 34

ACTION: Circle all outliers with a red pencil.

4.9 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000B-41, Sect. 8.5.4.	X	[ ]	___

YES NO N/A

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

NOTE: MS/MSD criteria apply only to the original sample, its dilutions, and the associated MS/MSD samples.

1. If the recovery is > upper in-house limit/130%, only positive values for the affected compound(s) are flagged "J".
2. If the recovery is < lower in-house limit/70%, flag positive values for the affected compound(s) "J" and non-detects "UJ".
3. If two or more MS/MSD recoveries were < 10% qualify all positive results "J" and all non-detects "R".

5.0 Blank (CLP Form IV Equivalent)

5.1 Is the Method Blank Summary form present? [X] ___ ___

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported for samples of similar matrix, or concentration level, and for each extraction batch? [X] ___ ___

5.3 Has a method blank been analyzed for each GC/MS system used ? [X] ___ ___

ACTION: If any method blank data are missing, take action as specified in section 3.2. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.

Is the chromatographic performance (baseline stability) for each instrument acceptable for the volatiles? [X] ___ ___

ACTION: Use professional judgement to determine the effect on the data.

YES NO N/A

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary. [X] ___ ___

6.2 Do any trip/field/rinse/ blanks have positive results for target analytes and/or TICs? ___ [ ] X

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (May attach a separate sheet.)

NOTE: All field blank results associated with a particular group of samples (may exceed one per case) must be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field Blanks must be qualified for outlying surrogates, poor spectra, instrument performance or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

S))Q

YES NO N/A

	Sample conc > CRQL but < 10x blank value	Sample conc < CRQL & <10x blank value	Sample conc > CRQL & >10x blank
Methylene Chloride Acetone Toluene 2-Butanone	Flag sample result with a "U"	Report CRQL & qualify "U"	No qualification is needed

	Sample conc > CRQL but < 5x blank	Sample conc < CRQL & is < 5x blank value	Sample conc > CRQL value & > 5x blank
Other contam-inants	Flag sample result with a "U"	Report CRQL & qualify "U"	No qualification is needed

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: The reporting of TIC compounds may or may not be required.

ACTION: For TIC compounds, if the concentration in the sample is less than five times the concentration in the most contaminated associated blank, flag the sample data "R" unusable.

6.3 Are there trip/field/rinse/equipment blanks associated with every sample? [ ] X —

ACTION: For low level samples, note in Data Assessment that there is no associated trip/field/rinse/equipment blank. For analytes with high concentrations, use professional judgement on qualification of these values and make note in Data Assessment. Exception: samples taken from a drinking water tap do not have associated field blanks.

S))Q

	YES	NO	N/A

7.0 GC/MS Apparatus and Materials

7.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B? Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used. For the analysis of volatiles, the method requires requires the use of 60 m. x 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2) [X] ___ ___

ACTION: If the specified column, or equivalent, was not used, document the effects in the Data Assessment. Use professional judgement to determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check (CLP Form V Equivalent)

8.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed? [X] ___ ___

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift? [X] ___ ___

8.3 Has an instrument performance check solution (BFB) been analyzed for every twelve hours of sample analysis per instrument?(see Table 4, SW-846, page 8260B-36) [X] ___ ___

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS

ACTION: If the laboratory/project officer/appropriate official cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

	YES	NO	N/A

ACTION: If mass assignment is in error, flag all associated sample data as unusable, "R".

8.4 Have the ion abundances been normalized to m/z 95? [X] ___ ___

8.5 Have the ion abundance criteria been met for each instrument used? [X] ___ ___

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, take action as specified in section 3.2.

8.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.) ___ [X] ___

8.7 Have the appropriate number of significant figures (two) been reported? [X] ___ ___

ACTION: If large errors exist, take action as specified in section 3.2.

8.8 Are the spectra of the mass calibration compound acceptable? [X] ___ ___

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

9.0 Target Analytes (CLP Form I Equivalent)

9.1 Are the Organic Analysis reporting forms present with required header information on each page, for each of the following:

a. Samples and/or fractions as appropriate [X] ___ ___

b. Matrix spikes and matrix spike duplicates [X] ___ ___

c. Blanks [X] ___ ___

d. Laboratory Control Samples [X] ___ ___

		YES	NO	N/A
9.2	Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			
	a. Samples and/or fractions as appropriate	[X]	___	___
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required) "Batch QC"	[ ]	X	___
	c. Blanks	[X]	___	___
	d. Laboratory Control Samples (mass spectra not required)	[X]	___	___
ACTION:	If any data are missing, take action specified in 3.2 above.			
9.3	Are the response factors shown in the Quant Report?	[X]	___	___
9.4	Is chromatographic performance acceptable with respect to:			
	Baseline stability?	[X]	___	___
	Resolution?	[X]	___	___
	Peak shape?	[X]	___	___
	Full-scale graph (attenuation)?	[X]	___	___
	Other:_____	[ ]	___	X
ACTION:	Use professional judgement to determine the acceptability of the data.			
9.5	Are the lab-generated standard mass spectra of identified volatile compounds present for each sample?	[X]	___	___
ACTION:	If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the Data Assessment. If spectra are missing, reject all positive data.			
9.6	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	[X]	___	___

YES NO N/A

9.7 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?

9.8 Do the relative intensities of the characteristic ions in the sample agree within ± 30% of the corresponding relative intensities in the reference spectrum? [X] ___ ___

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected ("R"), flagged ("N") - Presumptive evidence of the presence of the compound) or changed to non detected ("U") at the calculated detection limit. In order to be positively ident- ified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

10.0 Tentatively Identified Compounds (TIC) (CLP Form I/TIC Equivalent)

10.1 If Tentatively Identified Compound were required for this project, are all Tentatively Identified Compound reporting forms present; and do listed TICs include scan number or retention time, estimated concentration and a qualifier? [X] ___ ___

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

a. Samples and/or fractions as appropriate [X] ___ ___

b. Blanks [N] ___ ___

YES NO N/A

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 6.2 above.

10.3 Are any priority pollutants listed as TIC compounds (i.e., an BNA compound listed as a VOA TIC)? — [X] —

ACTION: 1. Flag with "R" any target compound listed as a TIC.

2. Make sure all rejected compounds are properly reported if they are target compounds.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? [X] — —

10.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%? [X] — —

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO_2 (M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

11.0 Compound Quantitation and Reported Detection Limits

11.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found? — [X] —

YES NO N/A

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

11.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture? [X] ___ ___

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration? [X] ___ ___

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

13.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

13.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction? [X] ___ ___

ACTION: If any calibration forms or standard raw data are missing, take action specified in section 3.2 above.

YES NO N/A

13.2 Are all average RRFs > 0.050? ✓

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

✓ 2 - Cleve "R" ND
- others are NT (non-target)

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements. [ ] X ___

13.3 Are response factors stable over the concentration range of the calibration. The % relative standard deviation (%RSD) 15.0% as per SW-846, 8260B-17 Sect. 7.3.6.2.

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment. ✓

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

X Bromomethane (29.5) Chloroacetonitrile (28.7)
Iodomethane (16.1) X Vinyl Acetate (22.4)
X MC (17.6) Methyl Methacrylate (23.1)
X MEK (23.5) 14 - Dioxane (16.2)

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 15.0%, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R". J|UJ

NOTE: The above data qualification action applies regardless of method requirements.

NOTE: Analytes previously qualified "U" due to blank

[ ] X ___

Ethyl methacrylate (16.3) trans 14 Dichloro -2- Butene (17.6)
X 2 - Hexanone (24.1) 12 Dibromo -3- chloropropane (16.4)
X Bromoform (19.2) Nitrobenzene (45.0)

YES NO N/A

contamination are still considered as "hits" when qualifying for calibration criteria. [X] ___ ___

13.4 Was the % RSD determined using RRF or CF?

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

___ [X] ___

13.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.) spot-check only

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in section 3.2 above.

14.0 GC/MS Calibration Verification (CLP Form VII Equivalent) [X] ___ ___

14.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? [X] ___ ___

14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R"). [X] ___ ___

14.3 Was the % D determined from the calibration verification determined using RRF or CF?

If no, what method was used

YES NO N/A

to determine the calibration verification? Document any effects to the case in the Data Assessment.

X [ ] ___

14.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2).

NOTE: (Method Requirement) For the following CCC compounds, the %D values must be 20.0%. If %D values reported are > 20.0% document in the Data Assessment.

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated, "J". When %D is above 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

X [ ] ___

14.5 Do any volatile compounds have a RRF < 0.05?

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, qualify all positive

YES NO N/A

results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements. ___ [X] ___

14.6 Are there any transcription/calculation errors in the reporting of %D between initial and continuing RRFs/CFs? (Check at least two values but if errors are found, check more). → spot-check only

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in section 3.2 above.

15.0 Internal Standards (CLP Form VIII Equivalent)

15.1 Are the internal standard areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)? [X] ___ ___ ✓

ACTION: If errors are large or information is missing, take action as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	Lower Limit	Upper Limit

(Attach additional sheets if necessary.)

ACTION:
1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
2. Do not qualify non-detects when the

associated IS areacounts area ✓

YES NO N/A

> + 100%.

3. If the IS area is below the lower limit (< - 50%), qualify all associated non-detects (U-values) "J".

4. If extremely low area counts are reported (< - 25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".

15.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)? [X] — —

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Field Duplicates [ ] X —

16.1 Were any field duplicates submitted for volatile analysis?

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the Data Assessment. However, if large differences exist, take action specified in section 3.2 above.

DEFINITIONS

Acronyms:

BFB	-	bromofluorobenzene
BNA	-	base neutral acid
CCC	-	calibration check compound
CF	-	calibration factor
CLP	-	contract laboratory program
CRQL	-	contract required quantitation limit
% D	-	percent difference or percent drift
GC/MS	-	gas chromatography/mass spectroscopy
IS	-	internal standard
l	-	liter
LCS	-	laboratory control sample
Kg	-	kilograms
m	-	meter
mm	-	millimeter
MS	-	matrix spike
MSD	-	matrix spike duplicate
m/z	-	mass to charge ratio
QC	-	quality control
RIC	-	reconstructed ion chromatogram
RPD	-	relative percent difference
RRF	-	relative response factor
RRT	-	relative retention time
RSD	-	relative standard deviation
RT	-	retention time
SDG	-	sample delivery group
SOP	-	standard operating procedure
SPCC	-	system performance check compound
TIC	-	tentatively identified compound
TCLP	-	toxicity characteristic leach procedure
ug	-	micrograms
VOA	-	volatile organic acid

DEFINITIONS

Data Qualified Definitions:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

A06-7177

SVOG

— Soils

TABLE OF CONTENTS

N/A = Not Applicable

/

INTRODUCTION

Scope and Applicability

This SOP offers detailed guidance in evaluating laboratory data genera according to "SW846-Method 8270C" December, 1996. Method 8270 is used to determine the concentration of semivolatile organic compounds in extracts prepared from many types of solid waste matrices, soils, air sampling medi water samples. The validation methods and actions discussed in this documen are based on the requirements set forth in the "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1 This document covers technical problems specific to each fraction and samp matrix; however, situations may arise where data limitations must be asses based on the reviewer's professional judgement.

Summary of Method

To ensure a thorough evaluation of each result in a data case, the reviewer must complete the checklist within this SOP, answering specific questions while performing the prescribed "ACTIONS" in each section. Qualifiers (or flags) are applied to questionable or unusable results as instructed. The data qualifiers discussed in this document are defined on 4.

The reviewer must prepare a detailed data assessment to be submitted with the completed SOP checklist. The Data Assessment must list all data qualifications, reasons for qualifications, instances of missing data and contract non-compliance.

Reviewer Qualifications

Data reviewers must possess a working knowledge of SW846 Analytical Method 8270C.

DEFINITIONS

Acronyms

BNA - base neutral acid(another name for Semi Volatiles)
CLP - Contract Laboratory Program
CRQL - Contract Required Quantitation Limit
%D - percent difference
DCB -decachlorobiphenyl
DDD - dichlorodiphenyldichloroethane
DDE - dichlorodiphenylethane
DDT - dichlorodiphenyltrichloroethane
DoC - Date of Collection
GC - gas chromatography
GC/ECD - gas chromatograph/electron capture detector
GC/MS - gas chromatograph/mass spectrometer
GPC - gel permeation chromatography
IS - internal standard
kg - kilogram
µg - microgram
MS - matrix spike
MSD - matrix spike duplicate
• - liter
m• - milliliter
PCB - Polychlorinated biphenyl
PE - performance evaluation
PEM - Performance Evaluation Mixture
QC - quality control
RAS - Routine Analytical Services
RIC - reconstructed ion chromatogram
RPD - relative percent difference
RRF - relative response factor
RRF - average relative response factor (from initial calibration)
RRT - relative retention time
RSD - relative standard deviation
RT - retention time
RSCC - Regional Sample Control Center
SDG - sample delivery group
SMC - system monitoring compound
SOP - standard operating procedure
SOW - Statement of Work
SVOA - semivolatile organic acid
TCL - Target Compound List

TCLP - Toxicity Characteristics Leachate Procedure
TCX -tetrachloro-m-xylene
TIC - tentatively identified compound
TOPO - Task Order Project Officer
TPO - Technical Project Officer
VOA - Volatile organic
VTSR - Validated Time of Sample Receipt

Data Qualifiers

U - The analyte was analyzed for, but was not detected above the repo sample quantitation limit.

J - The analyte was positively identified; the associated numerical v is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitati limit. However, the reported quantitation limit is approximate a may or may not represent the actual limit of quantitation necessa to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in th ability to analyze the sample and meet quality control criteria. presence or absence of the analyte cannot be verified.

LAB QUALIFIERS:

D - The positive value is the result of an analysis at a secondary dilution factor.

B - The analyte is present in the associated method blank as well as the sample. This qualifier has a different meaning when validatin inorganic data.

E - The concentration of this analyte exceeds the calibration range o the instrument.

S))Q

YES NO N/A

A - Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product.

X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 213204 / A06-7577 LAB: STL - Buffalo

SITE NAME: Brooklyn Wash Foods

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable format? [X] ___ ___

ACTION: If not, note the effect on review of the data in the data assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative or cover letter present? [X] ___ ___

2.2 Are case number and SDG number(s) contained in the narrative or cover letter? [X] ___ ___

II. SEMIVOLATILE ANALYSES

S))Q

YES NO N/A

~ CLP

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Report Forms present for all samples? COC R present [ ] ___ X

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? X [ ] ___

– Surr diluted-out PS-2

S))Q
YES NO N/A

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, all data should be qualified as unusable (R).

ACTION: If samples were not iced, or if the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (10°C), flag all positive results "J" and all non-detects "UJ".

8.2°C - SDG
2.0°C - B4B

2.0 Holding Times

2.1 Have any semi volatile technical holding times, determined from date of collection to date of extraction, been exceeded? ___ X ___

Continuous extraction of water samples for semi volatile analysis must be started within **7** days of the date of collection. Soil/sediment samples must be extracted within **14** days of collection. Extracts must be analyzed within **40** days of the date of extraction.

- collected 6/30/06
- rec. 7/1/06
- ext. 7/3/06
- anal. 7/5/06

Table of Holding Time Violations

(See Traffic Report)

Sample ID	Sample Matrix	Date Sampled	Date Lab Received	Date Extracted	Date Analyzed

S))Q

YES NO N/A

YES NO N/A

ACTION: If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

3.0 Surrogate Recovery (Form II)

3.1 Have the semi volatile surrogate recoveries been listed on CLP Surrogate Recovery forms (Form II) for each of the following matrices:

a. Low Water [ ] ___ X

b. Low/Med Soil [X] ___ ___

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery Summary forms for each matrix:

a. Low Water [ ] ___ X

b. Low/Med Soil [X] ___ ___

ACTION: If CLP deliverables or equivalent are unavailable, document the effect(s) in data

YES NO N/A

assessments. In some cases the lab may have to be contacted to obtain the data necessary to complete the validation.

3.3 Were outliers marked correctly with an asterisk? [ ] ___ X
ACTION: Circle all outliers in red.

3.4 Were two or more base neutral OR acid surrogate recoveries out of specification for any sample or method blank X [ ] ___

If yes, were samples re-analyzed? [ ] ___ X

Were method blanks re-analyzed? [ ] ___ X

ACTION: If all surrogate recoveries are > 10% but two within the base-neutral or acid fraction do not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):

PS-2 diluted-out

1. Flag all positive results as estimated ("J").

2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.

3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any base-neutral or acid surrogate has a recovery of < 10%:

1. Positive results for the fraction with < 10% surrogate recovery are qualified with "J".

2. Non-detects for that fraction should be qualified as unusable ("R").

	YES	NO	N/A

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses.

Spot-check only

3.5 Are there any transcription/calculation errors between raw data and Form II? [X]

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

4.0 Matrix Spikes (Form III)

Not Submitted

4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate or duplicate unspiked Sample recoveries been listed on the CLP Recovery Form (Form III)? [X]

NOTE: This method may not require a Matrix Spike Duplicate. Lab should submit MS/MSD or MS and Duplicate unspiked sample. (see section 8.4.2, page 8270C-22)

4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

a. Low Water [ ] X

b. Low Solid [X]

c. Med Solid [ ] X

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

S))Q

	YES	NO	N/A

NOTE: If the data has not been reported on CLP forms, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

Batch QC

Not Submitted

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration > 100ug/L ?	[X]	___	___
4.4 Were any semivolatile spike recoveries outside QC limits (compare to the values in Table 6, page 8270C-39 and 40) or Lab's in-house generated criteria?	[X]	___	___
4.5 Were any RPD's for matrix spike and matrix spike duplicate recoveries outside QC limits?	[X]	___	___

ACTION: Circle all outliers with red pencil.

ACTION: No action is taken on MS/MSD data alone. However, using professional judgement, the data reviewer may use the matrix spike / matrix spike duplicate and duplicate unspiked results in conjunction with other QC criteria to determine the need for some qualification of the data.

~Matrix spike blank

4.6 Was a LCS analyzed with each analytical batch? (See section 8.4.3, page 8270C-22)	[X]	___	___

YES NO N/A

NOTE: When the results of the matrix spike analysis indicate a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

4.7 Were any LCS recovery outside the interim acceptance criteria of 70 - 130% or outside lab's in-house generated limits? [ ] [X] ___

5.0 Blanks (Form IV)

5.1 Is the Method Blank Summary (Form IV) present? [X] ___ ___

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported per 20 samples of similar matrix, or concentration level, and for each extraction batch? [X] ___ ___

5.3 Has a method blank been analyzed for each GC/MS system used ? [X] ___ ___

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.

Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles? [X] ___ ___

YES NO N/A

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary. X [ ] ___

6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see paragraph 10 below)? ___ [ ] X

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case) must be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for outlying surrogates, poor spectra, instrument performance or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all data

S))Q
YES NO N/A

in the associated samples should be qualified as unusable (R).

For Common Phthalate Esters:	**For Other Contaminants:**	**Action:**
Sample conc. > CRDL, but < 10x blank result	Sample conc. > CRDL, but < 5x blank result	Flag sample result with a "U"
Sample conc. is < CRDL & < 10x blank result	Sample conc. < CRDL & < 5x blank result	Report CRDL and qualify with a "U"
Sample conc. > CRDL & > 10x blank result	Sample conc. > CRDL & > 5x blank result	No qualification is necessary

NOTE: Analytes qualified "U" for blank contamination are still considered as hits when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required. (see section 7.6.2, page 8270C-19)

6.3 Are there field/rinse/equipment blanks associated with every sample? [ ] X —

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

7.0 GC/MS Apparatus and Materials

YES NO N/A

7.1 Did the lab use the proper gas chromatographic column for analysis of semivolatiles by Method 8270C? Check raw data, instrument logs or contact the lab to determine what type of column was used. The method requires the use of 30 m x 0.25 mm ID (or 0.32 mm ID), silicone-coated, fused silica, capillary column. [X] ___ ___

ACTION: If the specified column, or equivalent, was not used, document the effects in the data assessment. Use professional judgement to determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check

Raw data reviewed

8.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for decafluorotriphenylphosphine (DFTPP)? [X] ___ ___

NOTE: The performance solution should also contain 4,4-DDT, pentachlorophenol, and benzidine to verify injection port inertness and column performance. The degradation of DDT to DDE and DDD must be less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (based upon lab experience) and show no peak degradation or tailing before samples are analyzed. (see section 5.5 page 8270C-11).

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift? [X] ___ ___

8.3 Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument? [X] ___ ___

ACTION: List date, time, instrument ID, and sample

YES NO N/A

analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS

ACTION: If the lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable (R).

8.4 Have the ion abundances been normalized to m/z 198? [X] ___ ___

8.5 Have the ion abundance criteria been met for each instrument used? [X] ___ ___

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, the Region II TOPO must be notified.

8.6 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values but if errors are found, check more.) ___ [X] ___ — matches raw data

8.7 Have the appropriate number of significant

	YES	NO	N/A
figures (two) been reported?	[X]	___	___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.

8.8 Are the spectra of the mass calibration compound acceptable?	[X]	___	___

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

9.0 Target Analytes

9.1 Are the Organic Analysis Data Sheets (Form I) present with required header information on each page, for each of the following:			
a. Samples and/or fractions as appropriate	[X]	___	___
b. Matrix spikes and matrix spike duplicates	[ ]	X	___
c. Blanks	[X]	___	___
D. Lab control samples ~ Blank Spike	[X]	___	___
9.2 Has any special cleanup, such as GPC, been performed on all soil/sediment sample extracts (see section 7.2, page 8270C-13)?	[ ]	X	___

ACTION: If data suggests that extract cleanup was not performed, use professional judgement. Make note in the data assessment narrative.

9.3 Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

		YES	NO	N/A
a.	Samples and/or fractions as appropriate	[X]	___	___
b.	Matrix spikes and matrix spike duplicates (Mass spectra not required)	[ ]	X	___
c.	Blanks	[X]	___	___
D	Lab control samples ~ matrix spike blk ~ mass spectra not required	[X]	___	___

ACTION: If any data are missing, take action specified in 3.2 above.

9.4 Is chromatographic performance acceptable with respect to:

Baseline stability?	[X]	___	___
Resolution?	[X]	___	___
Peak shape?	[X]	___	___
Full-scale graph (attenuation)?	[X]	___	___
Other:_____	[ ]	___	X

ACTION: Use professional judgement to determine the acceptability of the data.

9.5 Are the lab-generated standard mass spectra of identified semivolatile compounds present for each sample? [X] ___ ___

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the data assessment narrative. If spectra are missing, reject all positive data.

9.6 Is the RRT of each reported compound within ± 0.06 RRT units of the standard RRT in the continuing

	YES	NO	N/A
calibration?	[X]	___	___
9.7 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?	[X]	___	___
9.8 Do the relative intensities of the characteristic ions in the sample agree within ± 30% of the corresponding relative intensities in the reference spectrum?	[X]	___	___

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected ("R"), flagged "N" (Presumptive evidence of the presence of the compound) or changed to not detected ("U") at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

10.0 Tentatively Identified Compounds (TIC)

10.1 If Tentatively Identified Compounds were required for this project, are all Form I's, Part B present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?	[X]	___	___
10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:	[X]	___	___

		YES	NO	N/A
a.	Samples and/or fractions as appropriate	[X]	___	___
b.	Blanks	[X]	___	___

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by CAS #.

10.3 Are any target compounds from one fraction listed as TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)? ___ [X] ___

ACTION: i. Flag with "R" any target compound listed as a TIC.

ii. Make sure all rejected compounds are properly reported in the other fraction.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? [X] ___ ___

10.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%? [X] ___ ___

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R".

S))Q
YES NO N/A

11.0 Compound Quantitation and Reported Detection Limits

NOTE: Average Response Factor from the initial calibration is used for quantitation.

11.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found? ___ [X] ___

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two co-eluting peaks to calculate the total concentration).

11.2 Are the method detection limits adjusted to reflect sample dilutions and % moisture in case of soil samples? [X] ___ ___

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red

YES NO N/A

" X" across the entire page of all Form I's that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration? [X] ___ ___

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI)

13.1 Are the Initial Calibration Forms (Form VI) present and complete for the semivolatile fraction? [X] X ___

incomplete - See resubmittal

ACTION: If any calibration forms or standard raw data are missing, take action specified in 3.2 above.

13.2 Are all **average RRF's** of the four System Performance Check Compounds **(SPCCs)**: N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol and 4-nitrophenol > 0.050? [X] ___ ___

ACTION: If no:
CONTRACTUAL - Circle all outliers in red. Document in the Data Assessment under contract non compliance.

ACTION: TECHNICAL - For any target analyte, CCC or SPCC with average **RRF <0.05**

1. "R" all non-detects;

2. "J" all positive results.

YES NO N/A

13.3 Is the % RSD for each individual Calibration Check Compound (CCC) - Acenaphthene, 1,4-Dichlorobenzene, Hexachlorobutadiene, Diphenylamine, Di-n-octyl phthalate, Fluoranthene, Benzo(a)pyrene, 4-Chloro-3-methylphenol, 2,4-Dichlorophenol, 2-Nitrophenol, Phenol, Pentachlorophenol and 2,4,6-Trichlorophenol less than 30%? [X] ___ ___

ACTION: If no:
CONTRACTUAL - Circle all outliers in red. Document in the Data Assessment under contract non compliance.

TECHNICAL - All positive hits for that particular CCC must be qualified "J". If % RSD > 90%, flag all positive results for that analyte "J" and non-detect results for that analyte "R" unusable.

13.4 If % RSD for one or more target analytes exceeds 15%, is the MEAN of the % RSD values for ALL analytes in the calibration less than or equal to 15%? [X] ___ ___

ACTION: If yes:
CONTRACTUAL - The initial calibration is valid and the average RF from the initial calibration is used to quantitate sample results.

TECHNICAL - If the % RSD is $\geq$ 15.0% for any Individual target analyte, qualify positive results for that analyte "J". If % RSD > 90%, flag all positive results for that analyte "J" and non-detect results for that analyte "R" unusable.

for indiv. cmpds >15%

13.5 If the MEAN % RSD is greater than 15%, Did the laboratory calculate first or second order regression fit of the calibration curve ? [X] ___ ___

ACTION: If no:
CONTRACTUAL - The initial calibration is

YES NO N/A

not valid, Document in the Data Assessment under contract non compliance.

TECHNICAL - If % RSD is > 15.0% for any individual target analyte, qualify positive results for that analyte "J". When % RSD > 90%, flag all positive results for that analyte "J" and non-detect results for that analyte "R" unusable.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

13.6 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.) spot-check only — [X] —

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.7 Do the target compounds for this SDG include Pesticides? [ ] X —

13.8 If the pesticide compounds include DDT, was the percent breakdown of DDT to DDD and DDE greater than 20%? — [ ] X

ACTION: If DDT percent breakdown exceeds 20%:

i. Qualify all positive results for DDT with "J". If DDT was not detected, but DDD and DDE results are positive, qualify the

YES NO N/A

quantitation limit for DDT as unusable, "R".

ii. Qualify all positive results for DDD and DDE as presumptively present at an approximate concentration "JN".

14.0 GC/MS Calibration Verification (Form VII)

- incomplete - see resubmittal

14.1 Are the Calibration verification Forms (Form VII) present and complete for all compounds of interest? [X] X ___

14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? [X] ___ ___

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

_____

_____

_____

ACTION: If any forms are missing or no calibration verification standard has been analyzed within twelve hours of every sample analysis, call lab for explanation/resubmittal. If calibration verification data is not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an **RRF <0.05**? ___ [X] ___

If YES, did the lab take corrective action as in section 7.4.4.2, page 8270C-17. [ ] ___ X

ACTION: If no:

YES NO N/A

CONTRACTUAL - Circle all outliers in red. Document in the Data Assessment under contract non compliance.

ACTION: TECHNICAL - For any target analyte, SPCC or CCC with **RRF <0.05**

1. "R" all non-detects;

2. "J" all positive results.

14.4 Do any of the CCCs have a %D between the initial and verification RRF which exceeds 20.0%? ___ [X] ___

ACTION: If Yes:
CONTRACTUAL - Circle all outliers in red. Document in the Data Assessment under contract non compliance.

TECHNICAL - All positive hits for that particular CCC must be qualified "J" and all non-detects "UJ". When %D > 90%, flag all positive results for that analyte "J"and non-detect results for that analyte "R" unusable.

14.5 Do any target compounds have a % D between the initial and verification RRF which exceeds 20.0%? [X] [ ] ___

ACTION: If yes:
CONTRACTUAL - Circle all outliers in red.

TECHNICAL - All positive hits for that particular target compound must be qualified "J" and all non-detects "UJ". When %D > 90%, flag all positive results for that analyte "J" and non-detect results for that analyte "R" unusable.

14.6 If %D for one or more target analytes exceeds 20%, Is the MEAN of the %D values for all analytes in

	YES	NO	N/A
The calibration less than or equal to 20%?	[X]	___	___

ACTION: If yes:
CONTRACTUAL - The initial calibration is valid and the average RF from the initial calibration is used to quantitate sample results.

If no:
The initial calibration is invalid. Document in the Data Assessment under contract non compliance.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).	___	[X]	___

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect(s) in the data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration?	[X]	___	___

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit

	YES	NO	N/A

(Attach additional sheets if necessary.)

ACTION: i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.

ii. Non-detects associated with IS > 100% should not be qualified.

iii. If the IS area is below the lower limit (<50%), qualify all associated non-detects (U-values) "J". If extremely low area counts are reported (<25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable (R).

15.2 Are the retention times of all internal standards within 30 seconds of the associated calibration standard? [X] ___ ___

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Field Duplicates

16.1 Were any field duplicates submitted for semivolatile analysis? [ ] ___ [X]

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

YES NO N/A

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

PCBs

213204 - Soils

STANDARD OPERATING PROCEDURE

USEPA Region II
SW846 Method 8082

Date: May, 2002
SOP HW-23B, Rev.1.0

YES NO N/A

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 213204/A06-7577 SDG# 213204/A06-7577

LAB: STL-Buffalo SITE: Brooklyn Whole Foods

1.0 Data Completeness and Deliverables

1.1 Has all the data been submitted in CLP deliverable format? CLP-like — X / — / —

1.2 Have any missing deliverables been received and added to the data package? — X / X / — (CT 8/18/04)

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

Batch QC App. A

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative or cover letter present? X / — / —

2.2 Are the case number and/or SDG number contained in the narrative or cover letter? X / — / —

3.0 Data Validation Checklist

3.1 Does this data package contain:

Water data? — / X

Waste data? — / X

Soil/solid data? X / —

p. 193-406 + App. A

YES NO N/A

POLYCHLORINATED BIPHENYLS

1.0 Traffic Reports and Laboratory Narrative

1.1 Are traffic report and chain-of-custody forms ~~present for all~~ samples? [X] ___ ___

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data? [X] ___ ___

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, non detects shall be qualified as unusable, "R."

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any PCB technical holding times, determined from date of collection to date of extraction, been exceeded? ___ [X] ___

Water and waste samples for PCB analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction. Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: If technical holding times are exceeded, flag all positive results as estimated, "J," and sample quantitation limits "UJ" and document in the narrative that holding times were exceeded. If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re-analysis, the reviewer must use

	YES	NO	N/A

professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all the data should at least be qualified "J", but the reviewer may determine that non-detects are unusable,"R."

3.0 Surrogate Recovery (Form II)

3.1	Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?			
	a. Water/Waste	[ ]	___	X
	b. Soil/Solid	[X]	___	___
3.2	Are all the PCB samples listed on the appropriate surrogate recovery form for each of the following matrices?			
	a. Water	[ ]	___	X
	b. Waste	[ ]	___	X
	c. Soil/Solid	[X]	___	___

- except for blk QC surr & rc - (on) bec. these samples would not be qualified

ACTION: Call lab for explanation/resubmittals. If missing deliverables are unavailable, document the effect in the data assessment.

3.3	Did the laboratory provide their developed in-house Surrogate recoveries?	[X]	___	___

ACTION: If no, use 70 -130% recovery to qualify in section 3.4 below.

3.4	Were surrogate recoveries of TCMX or DCB outside of the laboratory-established upper (UCL) or lower (LCL) control limits for any sample or blank?	X	[ ]	___

ACTION: Circle all outliers in red.

ACTION: No qualification is done if surrogates are diluted out. If recovery for both surrogates is

YES NO N/A

below the LCL, but above 10%, flag all results for that sample "J". If recovery is < 10% for either surrogate, qualify positive results "J" and flag non-detects "R". If recovery is above the UCL for both surrogates qualify positive values "J".

Note: DCB is used when PCBs are determined as Aroclors. DCB is the internal standard when determining PCB congeners and TCMX the surrogate.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis? [X]

ACTION: If the RT limits are not met, the analysis may be qualified unusable (R) for that sample on the basis of professional judgement. However, flag positive hits as estimate (J) if confirmed by GC/MS analysis.

3.6 Are there any transcription/calculation errors between raw data and Form II? [X]

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

spot-check only

4.0 Laboratory Control Sample ~ Matrix spike blks in lieu of LCS

4.1 Are raw data and percent recoveries present for all Laboratory Control samples as required by Method 8000B (section 8.5) and Method 8082 (section 8.4.2)? [X]

Verify that QC check samples were extracted and analyzed by the same procedures used for the actual samples.

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

NOTE: For aqueous samples, an additional QC check sample must be prepared and analyzed when any analyte in a matrix spike fails the required acceptance criteria (see section 5.3 below). The additional QC check sample must contain each analyte that failed in the MS analysis.

YES NO N/A

Note: When the results for matrix spike analysis indicates a problem due to sample matrix effects, the LCS results are used to verify the laboratory can perform the analysis in a clean sample.

4.2 Were Laboratory Control Samples analyzed at the required concentration for all analytes of interest as specified in Method 8000B (sec.8.5)? [X] ___ ___

ACTION: If Laboratory Control Samples were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

4.3 Were the LCS recoveries within the laboratory's in-house per cent recoveries (if not available, use 70 - 130%) [X] ___ ___

4.4 If no, were Laboratory Control Samples re-analyzed? [ ] ___ [X]

Note: Corrective action must be taken when one or more of the analytes of interest fail the QC acceptance criteria (Method 8000B, section 8.7.4)

ACTION: If QC check samples were not re-analyzed, or a general system problem is indicated by repeated failure to meet the QC acceptance criteria specified in the method, make note in the data assessment and use professional judgement to determine the effect on the data.

5.0 Matrix Spikes (Form III) "Batch QC" - no guide

5.1 Are all data for one matrix spike and matrix duplicate (unspiked) pair (MS/Dup) or matrix spike/matric spike duplicate (MS/MSD)present and complete for each matrix Method 8082(section 8.4.1)? [X] ___ ___

NOTE: For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see Method 8000B-40, section 8.5.3)).

5.2 Have MS/Dup or MS/MSD results been summarized on modified CLP Form III? [X] ___ ___

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency

	YES	NO	N/A

for each of the following matrices? (One MS/Dup, MS/MSD must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month (Method 8000B-39 (section 8.5)).

a.	Water	[ ]	___	X
b.	Waste	[ ]	___	X
c.	Soil/Solid	[X]	___	___

ACTION: If any MS/Dup or MS/MSD data are missing, take the action specified in 3.2 above.

5.4 Were the 70 - 130% recoveries used to compare the matrix spike recoveries, or did the lab use the optional QC acceptance criteria discussed in Method 8000B-40(section 8.5.3.1)?

List the criteria used and make note in data assessment.

Criteria used (Aroclor - 1260 = RPD QC 35.0; 41 - 139% R)
Aroclor - 1016 = RPD QC 35.0; 39 - 131% R

5.5 Was the matrix spike prepared at the proper spike concentration? (Method 8000B, section 8.5.1-8.5.2) [X] ___ ___

For aqueous organic extractable, the spike concentration should be prepared according options in: Method 8000B-40, (section 8.5.1 and 8.5.2).

ACTION: No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

Both QC - no quals

6.0 Blanks (Form IV)

	YES	NO	N/A
6.1 Was reagent blank data reported on CLP equivalent Method Blank Summary form(s) (Form IV)?	[X]	___	___
6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?	[X]	___	___

ACTION: If any blank data are missing, take action as specified above (section 3.2) . If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts. Is the chromatographic performance (baseline stability) for each instrument acceptable for PCBs?	[X]	___	___

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for PCBs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.	___	[X]	___
7.2 Do any field/rinse blanks have positive PCB results?	___	[ ]	X

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data.

YES NO N/A

Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Sample conc > EDL but < 5 x blank	Sample conc < EDL & is < 5 x blank value	Sample conc > EDL & > 5 x blank value
Flag sample result with a "U"	Report EDL & qualify "U"	No qualification is needed

NOTE: If gross blank contamination exists, all data in the associated samples should be qualified as unusable (R).

7.3 Are there field/rinse/equipment blanks associated with every sample? [ ] X —

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 GC Apparatus and Materials

8.1 Was the proper gas chromatographic capillary column used for the analysis of PCBs?

Action: Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (Method 8082, section 4.2) [X] — —

8.2 Indicate the specific type of narrow bore or wide bore (.53 mm ID, fused silica GC columns, such as DB-608 and DB-1701 or equivalent).

column 1: ZB-35 (0.53mm) HP5890-19A

column 2: ZB-35(5) (0.53mm) HP5890-19B
CT 8/20/02

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

	YES	NO	N/A

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

a.	Samples	[X]	___	___
b.	All blanks	[X]	___	___
c.	Matrix spike samples Batch QC	[ ]	X	___
d.	5 pt. initial calibration standards	[X]	___	___
e.	calibration verification standards	[X]	___	___
f.	Laboratory Control samples (LCS) ~ MSB	[X]	___	___

ACTION: If no, take action specified in 3.2 above.

matrix spike blank

9.2 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence? [X] ___ ___

Note: Calibration Aroclor mixtures other than 1016/1260 may be used (as per approved project QA plan)

NOTE: If internal standard calibration procedure is used (Method 8000B-15(section 7.4.2.2)), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (Method 8000B-16 (section 7.4.2.1)), then calibration factors must be used. The internal standard approach is highly recommended for PCB congener analysis.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

spot-check only

9.3 Are there any transcription/calculation errors between raw data and data summary forms? ___ [X] ___

ACTION: If large errors exist, call lab for

YES NO N/A

explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.4 Are standard retention time (RT) windows for each PCB peak of interest presented on modified CLP summary forms? [X] — —

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all PCBs are established using retention times from three calibration standards analyzed during the entire analytical sequence (Method 8000B, section 7.6).

Best results are obtained using retention times which span the entire sequence; i.e., using the calibration verification/continuing calibration standards analyzed every 12 hours.

9.5 Were RT windows on the confirmation column established using three standards as described above? [X] — —

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.4 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.6 Do all standard retention times in each level of the initial 5 pt. calibrations for PCBs fall within the windows established during the initial calibration sequence? [X] — —

ACTION i: If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standard spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows may be too tight. If so, RT windows should be recalculated as per Method 8081B-15 (section 7.4.6).

ii. Alternatively, check to see if the chromatograms contain peaks

YES NO N/A

within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

9.7 Has the linearity criteria for the initial calibration standards been satisfied for both columns? (% RSD must be < 20.0% for all analytes). ICAL 3/14/02 [X] ___ ___

ACTION: If no, qualify all associated positive results generated during the entire analytical sequence "J" and all non-detects "UJ". When RSD > 90%, flag all non-detect results for that analyte "R" (unusable).

9.8 Does the calibration verification/continuing Calibration standard contain the PCB peaks of interest, analyzed on each working day, prior to sample analyses (Method 8082, sections 7.6.2)? [X] ___ ___

9.9 Has a calibration verification/continuing calibration standard been analyzed after every 10 samples and at the end of each analytical sequence (Method 8082, section 7.6.2) [X] ___ ___

ACTION: If no, take action as specified in section 3.2 above.

9.10 Has the percent difference (%D) exceeded ± 15% for any PCB analyte in any calibration verification/ Continuing calibration standard? [X] ___ ___

9.11 Has a new 5 pt. initial calibration curve been generated for those PCB analytes which failed in the calibration verification/continuing calibration standard (8000B, section 7.7.3), and all samples which followed the out-of-control calibration verification/standard continuing calibration Standard? [ ] [X] ___

ACTION: If the %D for any analyte exceeded the ± 15% criterion and the instrument was not recalibrated for those analytes, qualify positive results for all associated samples (those which followed the out-of-control standard) "J" and sample quantitation limits "UJ". If the %D was > 90%

	YES	NO	N/A
for any analyte, qualify non-detects "R", unusable.			
9.12 Have retention time (RT) windows been properly calculated for each analyte of interest (Method 8000B, section 7.6), using RTs from the associated calibration verification/continuing standard?	[X]	___	___
ACTION: If no, take action specified in section 3.2 above			
9.13 Do all standard retention times for each calibration verification/continuing calibration standard fall within the windows established during the initial calibration sequence?	[X]	___	___
9.14 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the <u>daily</u> RT windows	[X]	___	___

ACTION: If the answer to either 9.13 or 9.14 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria. If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is $\pm$ 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

9.15 Are there any transcription/calculation errors

	YES	NO	N/A
between raw data and data summary forms?	___	[X]	___

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

spot-check only

10.0 Analytical Sequence Check (Form VIII-PEST)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column?	[ ]	X	___

used raw data

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses?	[X]	___	___

✓

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

10.3 Were the TCMX/DCB surrogate RTs for the samples within the mean surrogate RT from the initial calibration?	[X]	___	___

Action: If no, see "Action" in section 9.14 above

11.0 Extraction Techniques for Sample Preparation

Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?

N/A

1. Aqueous samples:			
1. Separatory funnel (Method 3510)	[ ]	___	___
2. Continuous liquid-liquid extraction (Method 3520)	[ ]	___	___
3. Solid phase extraction (Method 3535)	[ ]	___	___
4. Other	[ ]	___	___
2. Solid samples:			
1. Soxhlet (Method 3540)	[ ]	X	___

	YES	NO	N/A
2. Automated Soxhlet (Method 3541)	[ ]	___	X
3. Pressurized fluid (Method 3545)	[ ]	___	___
4. Microwave extraction (Method 3546)	[ ]	___	___
5. Ultrasonic extraction (Method 3550)	[X]	___	___
6. Supercritical fluid (Method 3562)	[ ]	___	X
7. Other	[ ]	___	X

11.1 Extract Cleanup - Efficiency Verification (Form IX)

11.1.1 Method 8082 (section 7.2) references method 3660 (sulfur) and 3665A (sulfuric acid) to use for cleaning extracts. Were one or both method used? [X] ___ ___

ACTION: If no, take action specified in 3.2 above. If data suggests cleanup was not performed, make note in the data assessment.

NOTE: Method 3620A, Florisil, may be used per approved project QA plan. The method does not list which analytes and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct PCB list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.2 Are all samples listed on modified CLP PCBs Florisil/Cartridge Check Form? [ ] ___ X

ACTION: If no, take action specified in 3.2 above.

11.3 Was GPC Cleanup (method 3640A) performed? [ ] X ___

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.4 Were the same PCB analytes used in calibration used to check the efficiency of the cleanup procedures? [ ] not submitted — Undetermined — but used 1st source checks

11.5 Are percent recoveries (% R) of the PCBs and surrogate compounds used to check the efficiency of the cleanup procedures within lab's in-house QC limits (use 70-130% if not available) [ ] ___ X

70-130% for GPC calibration? [ ] ___ X

YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for PCBs. Use professional judgement to qualify positive results if recoveries are greater than the upper limit.

12.0 PCB Identification

12.1 Has CLP Form X or equivalent, showing **retention time** data for positive results on the two GC columns, been completed for every sample in which a PCB was detected? raw data reviewed [ ] [X] ___

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and cleanup verification forms)? ___ [ ] [X]

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both columns/analyses? [X] ___ ___

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently.
Were there any false negatives? ___ [X] ___

YES NO N/A

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation provided when sample concentration was sufficient (> 10 ug/ml) in the final extract? [ ] X —

ACTION: Indicate with red pencil which Form I results were confirmed by GC/MS and also note in data assessment.

12.6 Is the percent difference (%D) calculated for the positive sample results on the two GC columns <25.0%? PS-2 ND PS-1 = presumably [ ] quantified due to moisture content

NOTE: The method requires quantitation from one column. The second column is to confirm the presence of an analyte. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

% Difference	Qualifier
0-25%	none
26-70%	"J"
71-100%	"NJ"
>100% *	"R"
100-200% (Interference detected)**	"NJ"
>50% (PCBs value is <CRQL)	"U"

When the reported PCBs value is <CRQL and the %D is >50%, raise the value to the CRQL and qualify with "U" (non-detect).

* Check the chromatogram. If pattern is confirmed qualify "J". If pattern is mixed, has interference, or the PCB cannot be positively determined due to weathering, qualify "JN".

YES NO N/A

If PCB can not be confirmed, qualify the PCB as "R".

** When the reported %D is 100-200% but interference is detected in either column, qualify the data with "NJ".

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found? — [X] —

spot-check only

NOTE: Single-peak PCBs results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture? [X] — —

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

	YES	NO	N/A

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?	[X]	___	___
14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?	___	[X]	___

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for PCB analysis?	[ ]	X	___

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field duplicates.

14 metals 213204 -Soils

(k) Evaluation of Metals Data for the Contract Laboratory Program (CLP)

based on

(*) Adapted to meet SW-846 methodologies

SOW. 3/90

N/A = Not Applicable

(SOP Revision XI)

PREPARED BY: _____ DATE: _____
Hanif Sheikh, Quality Assurance Chemist
Toxic and Hazardous Waste Section

APPROVED BY: _____ DATE: _____
Kevin Kubik, Chief
Toxic and Hazardous Waste Section

APPROVED BY: _____ DATE: _____
Robert Runyon, Chief
Monitoring Management Branch

Title: Evaluation of Metals Data for the Contract Laboratory Program

Date: Jan. 1992
Number: HW-2
Revision: 11

1.0 **Scope**

1.1 This procedure is applicable to inorganic data obtained from contractor laboratories working for Hazardous Waste Site Contract Laboratory Program (CLP).

1.2 The data validation is based upon analytical and quality assurance requirements specified in Statement of Work (SOW) 3/90 .

2.0 **Responsibilities** - Data reviewers will complete the following tasks as assign the Data Review Coordinator:

2.1. For a **total review**:

2.1.1 **Data Assessment - "Total Review-Inorganics" Checklist Appendix (A.1).**
The reviewer must answer every question on the checklist.

2.1.2 **Data Assessment - Data Assessment Narrative (Appendix A.2)**
The answer on the checklist must match the action in the narrative (appendix A.2) and on Form I's. Do not use pencil to write the narrative.

2.1.3 **Contract Non-Compliance - SMO Report (Appendix A.3)**
This report is to be completed only when a serious contract violation is encountered, or upon the request of the Data Validation Task Monitor, or Tech Project Officer (TPO). Forward 5 copies: one each for internal files, appropriate Regional TPO, Sample Management Office (SMO) and last two address Mailing List for Data Reviewers (Appendix A.4). In other cases, all contract violations should be appended to the end of the Data Assessment Narrative (Se A.2.2).

2.1.4 **CLP Data Assessment Summary Forms**

2.1.4.1 Appendix A.5
Fill in the total number of analytes analyzed by different analyses and the number of analytes rejected or flagged as estimated due to corresponding quality control criteria. Place an "X" in boxes where analyses were not performed, or criteria do not apply.

2.1.4.2 Appendix A.6
Data reviewer is also required to fill out Inorganic Regional Data Assessment form (Appendix A.7) provided by EPA Headquarters. Codes listed on the form will be used to describe the Data Assessment Summary.

2.1.5 **Data Review Log**: It is recommended that each data reviewer should maintain a the reviews completed to include: a. date of start of case

b. date of completion of case review
c. site
d. case number
e. contract laboratory
f. number of samples
g. matrix
h. hours worked
i. reviewer's initials

2.1.6 **Telephone Record Log** - the data reviewer should enter the bare facts of inquiry, before initiating any phone conversation with CLP laboratory. After the case review has been completed, mail white copy of Telephone Record Log to the laboratory and pink copy to SMO. File yellow copy in the Telephone Record Log folder, and attach a xerox copy of the Telephone Record Log to the completed Data Assessment Narrative (Appendix A.2).

2.1.7 **Forwarded Paperwork**

.1.7.1 Upon completion of review, the following are to be forwarded to the Regional Sample Control Center (RSCC) located in the Surveillance and Monitoring Branc
a. data package
b. completed data assessment checklist (Appendix A.1,original)
c. SMO Contract Compliance Screening (CCS)
d. Record of Communication (copy)
e. CLP Reanalysis Request/Approval Record (original + 3 copies)
f. Appendix A.6 (original).

2.1.7.2 Forward 2 copies of completed Data Assessment Narrative (Appendix A.2) along with 2 copies of the Inorganic Data Assessment Form (Appendix A.6) and Telephone Record Log , if any,: one each for appropriate Regional TPO, and the other one to EPA EMSL office in Las Vegas. The addresses of TPOs and office in Las Vegas are given in Appendix A-4.

2.1.8 **Filed Paperwork** - Upon completion of review, the following are to be filed within MMB files:
a. Two copies of completed Data Assessment Narrative (Appendix A.2) each carr Appendix A.6.
b. Telephone Record Log (copy)
c. SMO Report (copy Appendix A-3)
d. CLP Reanalysis Request/Approval Record (copy)

3.0 **Data Completeness**
Each data package is checked by a Regional Sample Control Coordinator (RSSC) completeness. A data package is assumed to be complete when all the delivera required under the contract are present. If a data package is incomplete,the would call the laboratory for missing document(s). If the laboratory does not respond within a week, SMO and MMB coordinator of Region II will be notified

4.0 **Rejection of Data** - All values determined to be unacceptable on the Inorganic Analysis Data Sheet (Form I) must be lined over with a red pencil. As soon review criteria causes data to be rejected, that data can be eliminated any further review or consideration.

.0 **Acceptance Criteria** - In order that reviews be consistent among reviewers, acceptance criteria as stated in Appendix A.1 (pages 4-25) should be used. Additional guidance can be found in the National Inorganic Functional Guidel October 1, 1989.

6.0 **SMO Contract Compliance Screening (CCS)** - This is intended to aid reviewer in locating any problems, both corrected and uncorrected. However, the validat should be carried out even if CCS is not present. Resubmittals received from laboratory in response to CCS must be used by the reviewer.

7.0 **Request for Reanalysis** - Data reviewers must note all items of contract non-compliance within Data Assessment Narrative.If holding times and sample times have not been exceeded, TPO may request reanalysis if items of non-com are critical to data assessment. Requests are to be made on "CLP Re-Analysis Request/Approval Record".

8.0 **Record of Communication** - Provided by the Regional Sample Control Center (RSC indicate which data packages have been received and are ready to be reviewed.

0 **Rounding off numbers** - The data reviewer will follow the standard practice.

	YES	NO
A.1.1 **Contract Compliance Screening Report** (CCS) - Present? N/A Not CLP	[___]	___
ACTION: If no, contact RSCC.		
A.1.2 **Record of Communication (from RSCC)** - Present?	[___]	___
ACTION: If no, request from RSCC.		

A.1.3 **Trip Report** - Present and complete? Not CLP [___] N/A

ACTION: If no, contact RSCC for trip report.

A.1.4 **Sample Traffic Report** - Present? COCR [X] ___

Legible? [X] ___

ACTION: If no, request from Regional Sample Control Center (RSCC).

A.1.5 **Cover Page** - Present? [X] ___

Is cover page properly filled in and signed by the lab manager or the manager's designee? [X] ___

ACTION: If no, prepare Telephone Record Log, and contact laboratory.

Do numbers of samples correspond to numbers on Record of Communication? [X] ___

Do sample numbers on cover page agree with sample numbers on:

(a) Traffic Report Sheet? [X] ___

(b) Form I's? H2O on hold [X] ___

ACTION: If no for any of the above, contact RSCC for clarification.

A.1.6 **Form I to IX** Yes No

A.1.6.1 Are all the Form I through Form IX labeled with:

Laboratory name?	[X]	___
Case/SAS number?	[X]	___
EPA sample No.?	[X]	___
SDG No.?	[X]	___
Contract No.?	[X]	___
Correct units?	[X]	___
Matrix?	[X]	___

STL lot# / client / part

ACTION: If no for any of the above, note under Contract Problem/Non-Compliance section of the "Data Assessment Narrative".

A.1.6.2 Do any computation/transcription errors exceed 10% of reported values on Forms I-IX for:

(**NOTE:** Check all forms against raw data.)

(a) all analytes analyzed by ICP?	[___]	X	___
(b) all analytes analyzed by GFAA?	[___]	___	N/A
(c) all analytes analyzed by AA Flame?	[___]	___	N/A
(d) Mercury?	[___]	X	___
(e) Cyanide?	[___]	___	N/A

ACTION: If yes, prepare Telephone Log, contact laboratory for corrected data and correct errors with red pencil and initial.

		YES	NO
A.1.7	**Raw Data**		
A.1.7.1	Digestion Log* for flame AA/ICP (Form XIII) present?	[X]	___
	Digestion Log for furnace AA Form XIII present?	[___]	N/A
	Distillation Log for mercury Form XIII present?	[X]	___
	Distillation Log for cyanides Form XIII present?	[___]	N/A
	Are pH values (pH<2 for all metals, pH>12 for cyanide) present?	[___]	N/A
	*Weights, dilutions and volumes used to obtain values.		
	Percent solids calculation present for soils/sediments?	[X]	___
	Are preparation dates present on sample preparation logs/bench sheets?	[X]	___
A.1.7.2	Measurement read out record present? ICP	[X]	___
	Flame AA	[___]	N/A
	Furnace AA	[___]	N/A
	Mercury	[X]	___
	Cyanides	[___]	N/A
A.1.7.3	Are all raw data to support all sample analyses and QC operations present?	[X]	___
	Legible?	[X]	___
	Properly Labeled? (LAB ID)	[X]	___

ACTION: If no for any of the above questions in sections A.1.7.1 through A.1.7.3, write Telephone Record Log and contact

laboratory for resubmittals.

Compliance (Total Review)

		YES	NO
A.1.8	**Holding Times** - (aqueous and soil samples)		
	(Examine sample traffic reports and digestion/distillation logs.)		
	Mercury analysis (28 days). . . . . exceeded?	___	[X]
	Cyanide distillation (14 days). . . . . exceeded?	___	[___] N/A
	Other Metals analysis (6 months). . . . exceeded?	___	[X]

NOTE: Prepare a list of all samples and analytes for which holding times have been exceeded. Specify the number of days from date of collection to the date of preparation (from raw data). Attach to checklist.

ACTION: If yes, reject (red-line) values less than Instrument Detection Limit (IDL) and flag as estimated (J) the values above IDL even though sample(s) was preserved properly.

A.1.8.2	Is pH of aqueous samples for:		
	Metals Analysis >2?	___	[N/A]
	— Soils Cyanides Analysis <12?	___	[N/A]

Action: If yes, flag the associated metals and cyanides data as estimated.

A.1.9	**Form I (Final Data)**		
A.1.9.1	Are all Form I's present and complete?	[X]	___

ACTION: If no, prepare telephone record log and contact laboratory for submittal.

A.1.9.2 Are correct units (ug/l for waters and mg/kg for soils) indicated on Form I's? [X] ___

Are soil sample results for each parameter corrected for percent solids? [X] ___

Are all "less than IDL" values properly coded with "U"? [X] ___

	YES	NO
Are the correct concentration qualifiers used with final data?	[X]	___

ACTION: If no for any of the above, prepare Telephone Record Log, and contact laboratory for corrected data.

A.1.9.3 Are EPA sample #s (client ID) and corresponding laboratory sample ID #s the same as on the Cover Page, Form I's and in the raw data? [X] ___

Was a brief physical description of samples given on Form I's? Not CLP [___] X

Was the dilution of any sample diluted beyond the requirements of the contract noted on Form I or Form XIV? ___ [X]

ACTION: If no for any of the above, note under Contract-Problem/Non-Compliance of the"Data Assessment Narrative".

A.1.10 **Calibration**

A.1.10.1 Is record of at least 2 point calibration

present for ICP analysis? [X] ___

Is record of 5 point calibration present for Hg analysis? [X] ___

Is record of 4 point calibration present for:

Flame AA? [___] N/A

Furnace AA? [___] N/A

Cyanides? [___] N/A

Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses? [___] N/A

ACTION: If no for any of the above, write in the Contract Problem/Non-Compliance section of the "Data Assessment Narrative".

	YES	NO
A.1.10.2 Is correlation coefficient less than 0.995 for:		
Mercury Analysis?	___	[X]
Cyanide Analysis?	___	[___] N/A
Atomic Absorption Analysis?	___	[___] N/A

ACTION: If yes, flag the associated data as estimated.

NOTE: The data validator shall calculate the correlation coefficient using concentrations of the standards and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.).

A.1.10.3 In the instance where less than 4 standards are measured in absorbance (or peak area, peak height,etc.) mode, are the remaining standards analyzed in

concentration mode immediately after calibration within ±10% of the true values? [___] N/A

ACTION: If no, flag the associated data as estimated if standards are not within ±10% of true values. Do not flag the data as estimated in linear range indicated by good recovery of standard(s).

A.1.11 **Form II A (Initial and Continuing Calibration Verification) -**

A.1.11.1 Present and complete for every metal and cyanide? [X] 8/14/06

Present and complete for AA and ICP when both are used for the same analyte? [___] N/A

ACTION: If no for any of the above, prepare Telephone Record Log and contact laboratory.

A.1.11.2 Circle on each Form IIA all percent recoveries that are outside the contract windows.
Are all calibration standards (initial and continuing) within control limits:

Na 89%.

Metals- 90-110%R? [___] X

Hg - 80-120%R? [X] ___

Cyanides- 85-115%R? [___] N/A

YES NO

ACTION: Flag as estimated (J) all positive data (not flagged with a "U") analyzed between a calibration standard with %R between 75-89% (65-79% for Hg; 70-84% for CN) or 111-125% (121-135% for Hg; 116-130% for CN) recovery and nearest good calibration standard. Qualify results <IDL as estimated (UJ) if the ICV or CCV %R is 75-89% (CN, 70-84% ; HG, 65-79%). Reject (red-line) as unacceptable data if recovery of the ICV or CCV is outside the range 75-125% (CN, 70-130%; Hg, 65-135%). Qualify five samples on either side of

Na 89%.
CCV 7/6/06
1435
- no quals associated w/ QC

verification standard out of control limits.

A.1.11.3 Was continuing calibration performed every 10 samples or every 2 hours? [X] ___

Was ICV for cyanides distilled? [___] ___ N/A

ACTION: If no for any of the above, write in the Contract-Problem/Non-Compliance section of the "Data Assessment Narrative".

A.1.12 **Form II B (CRDL Standards for AA and ICP)** -

A.1.12.1 Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)? [___] N/A

Was a mid-range calib. verification standard distilled and analyzed for cyanide analysis? [___] N/A

Was a 2xCRDL (or 2xIDL when IDL>CRDL) analyzed (CRI) for each ICP run? [X] ___
(Note: CRI for AL,Ba,Ca,Fe,Mg,Na,or K is not required.)

ACTION: If no for any of the above, flag as estimated all data falling within the affected ranges.
The affected ranges are:
AA Analysis - **True Value ± CRDL
ICP Analysis - **True Value ± 2CRDL
CN Analysis - **True Value ± 0.5 x True Value.

**True value of CRA, CRI or mid-range standard. Substitute IDL for CRDL when IDL > C
Compute the concentration of the missing mid-range standard from the calibration rang

---

YES NO

A.1.12.2 Was CRI analyzed after ICV/ICB and before the final

NO
- Not CLP

CCV/CCB, and twice every eight hours of ICP run? [X] ___

ACTION: If no, write in Contract Problem/Non-Compliance Section of the "Data Assessment Narrative".

A.1.12.3 Circle on each Form IIB all the percent recoveries that are outside the acceptance windows.

SOL Limits 50-150%

Are CRA and CRI standards within control limits:

Metals 80 - 120%R? [X] ___

Is mid-range standard within control limits:

Cyanide 80 - 120%R? [___] N/A

ACTION: Flag as estimated all sample results within the affected range if the recovery of the standard is between 50-79%; flag only positive data within the affected range if the recovery is between 121-150%; reject all data within the affected range if the recovery is less than 50%; reject only positive data within the affected range if the recovery is greater than 150%. Qualify 50% of the samples on either side of CRI standard outside the control limits.

Note: Flag or reject the final results only when sample raw data are within the affected ranges and the CRDL standards are outside the acceptance windows.

A.1.13 **Form III (Initial and Continuing Calibration Blanks)**

A.1.13.1 Present and complete? [X] ___

For both AA and ICP when both are used for the same analyte? [___] N/A

Was an initial calibration blank analyzed? [X] ___

Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)? [X] ___

YES NO

ACTION: If no, prepare Telephone Record Log, contact laboratory and write in the Contract-Problems/ Non-Compliance section of the "Data Assessment Narrative".

A.1.13.2 Circle on each Form III all calibration blank values that are above CRDL (or 2 x IDL when IDL > CRDL).

Are all calibration blanks (when IDL<CRDL) less than ~~or~~ equal to the Contract Required Detection Limits (CRDLs)? [X] ___

Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)? [___] N/A

ACTION: If no for any of the above, flag as estimated (J) positive sample results when raw sample value is less than or equal to calibration blank value analyzed between calibration blank with value over CRDL (or 2xIDL) and nearest good calibration blank.
Flag five samples on either side of the calibration blank outside the control limits.

A.1.14 **FORM III (Preparation Blank) -**
(**Note:** The preparation blank for mercury is the same as the calibration blank.)

A.1.14.1 Was one prep. blank analyzed for:

each Sample Delivery Group (SDG)? [X] ___

each batch of digested samples? [X] ___

each matrix type? [X] ___

both AA and ICP when both are used for the same analyte? [___] N/A

ACTION: If no for any of the above, flag as estimated (J) all the associated positive data <10 x IDLs for which prep. blank

		YES	NO
A.1.14.2	Is concentration of prep. blank value greater than the CRDL when IDL is less than or equal to CRDL?	___	[X]
	If yes, is the concentration of the sample with the least concentrated analyte less than 10 times the prep.blank?	___	[___] N/A

ACTION: If yes, reject (red-line) all associated data greater than CRDL concentration but less than ten times the prep. blank value.

1.14.3	Is concentration of prep. blank value (Form III) less than two times IDL, when IDL is greater than CRDL?	IDL < CRDL [___]	N/A

ACTION: If no, reject (red-line) all positive sample results when sample raw data are less than 10 times the prep. blank value.

A.1.14.4	Is concentration of prep. blank below the negative CRDL?	___	[X]

ACTION: If yes, reject (red-line) all associated sample results less than 10xCRDL.

A.1.15 **Form IV (ICP Interference Check Sample)**

A.1.15.1	Present and complete?	[X]	___

(**NOTE:** Not required for furnace AA, flame AA, mercury, cyanide and Ca, Mg, K and Na.)

	Was ICS analyzed at beginning and end of run (or at least twice every 8 hours)?	[X]	___

ACTION: If no, flag as estimated (J) all the samples for which AL, Ca, Fe, or Mg is higher than in ICS.

A.1.15.2 Circle all values on each Form IV that are more than ± 20% of true or established mean value.

TI 577.

Are all Interference Check Sample results inside the control limits (± 20%)? [___] X

If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS? [___] X

YES NO

ACTION: If no, flag as estimated (J) those positive results for which ICS recovery is between 121-150%; flag all sample results as estimated if ICS recovery falls within 50-79%; reject (red-line) those sample results for which ICS recovery is less than 50%; if ICS recovery is above 150%, reject positive results only (not flagged with a "U"). y/uJ

A.1.16 **Form V A (Spiked Sample Recovery - Pre-Digestion/Pre-Distillation)**- (**Note**: Not required for Ca, Mg, K, and Na (both matrices), Al, and Fe (soil only.)

A.1.16.1 Present and complete for: each SDG? [X] ___

each matrix type? [X] ___

each conc. range (i.e. low, med., high)? [X] ___

For both AA and ICP when both are used for the same analyte? [___] N/A

ACTION: If no for any of the above, flag as estimated (J) all the positive data less than four times the spiking levels specified in SOW for which spiked sample was not analyzed.

NOTE: If one spiked sample was analyzed for more than 20 samples, then first 20 samples analyzed do not have to be flagged as estimated (J).

A.1.16.2 Was field blank used for spiked sample? ___ [X]

ACTION: If yes, flag all positive data less than 4 x spike added as estimated (J) for which field blank was used as spiked sample.

A.1.16.3 Circle on each Form VA all spike recoveries that are outside control limits (75% to 125%).

Are all recoveries within control limits? [___] X

If no, is sample concentration greater than or equal to four times spike concentration? [Some]

YES NO

ACTION: If yes, disregard spike recoveries for analytes whose concentrations are greater than or equal to four times spike added. If no, circle those analytes on Form V for which sample concentration is less than four times the spike concentration.

Both QC J1323-3

Are results outside the control limits (75-125%) flagged with "N" on Form I's and Form VA? [X] ___

ACTION: If no, write in the Contract - Problem/Non - Compliance section of "Data Assessment Narrative".

A.1.16.4 **Aqueous**

Are any spike recoveries:

(a) less than 30%? ___ N/A [___]

(b) between 30-74%? ___ [___]

(c) between 126-150%? ___ [___]

(d) greater than 150%? ___ N/A [___]

ACTION: If less than 30%, reject all associated aqueous data; if between 30-74%, flag all associated aqueous data as estimated (J); if between 126-150%, flag as estimated (J) all associated aqueous data not flagged with a "U"; if greater than 150%, reject (red-line) all associated aqueous data not flagged with a "U".

A.1.16.5 **Soil/Sediment**

Are any spike recoveries:

(a) less than 10%? X [___] N/A

(b) between 10-74%? X [___]

(c) between 126-200%? X [___]

(d) greater than 200%? (absolute value) X [X]

YES NO

ACTION: If less than 10%, reject all associated data; if between 10-74%, flag all associated data as estimated; if between 126-200%, flag as estimated all associated data was not flagged with a "U"; if greater than 200%, reject all associated data not flagged with a "U".

A.1.17 **Form VI (Lab Duplicates)**

A.1.17.1 Present and complete for: each SDG? [X] ___

each matrix type? [X] ___

each concentration range (i.e. low, med., high)? [X] ___

both AA and ICP when both are used for the same analyte? [___] N/A

ACTION: If no for any the above, flag as estimated (J) all the data ≥CRDL* for which duplicate sample was not analyzed.

Note: 1. If one duplicate sample was analyzed for more than 20 samples, then first 20 samples do not have to be flagged as estimated.

2. If percent solids for soil sample and its duplicate differ by more than 1%, prepare a Form VI for each duplicate pair, report concentrations in ug/L on wet weight basis and calculate RPD or Difference for each analyte.

A.1.17.2 Was field blank used for duplicate analysis? ___ [X]

ACTION: If yes, flag all data ≥CRDL* as estimated (J) for which field blank was used as duplicate.

A.1.17.3 Are all values within control limits (RPD 20% or difference ≤ ±CRDL)? [___] X

If no, are all results outside the control limits flagged with an * on Form I's and VI? [X] ___

ACTION: If no, write in the Contract - Problems/Non-Compliance section of "Data Assessment Narrative".

* Substitute IDL for CRDL when IDL > CRDL.

___

YES NO

NOTE: 1. RPD is not calculable for an analyte of the sample - duplicate pair when both values are less than IDL.

2. If the result of lab duplicate analyzed by GFAA is rejectable due to coefficient of

correlation of MSA, analytical spike recovery, or duplicate injections criteria, do not apply precision criteria to metals analyzed by GFAA.

A.1.17.4 **Aqueous**

N/A

Circle on each Form VI all values that are:

RPD > 50%, or
Difference > CRDL*

Is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times *CRDL? ___ [___]

Is any difference** between sample and duplicate greater than *CRDL where sample and/or duplicate is less than 5 times *CRDL? ___ [___]

ACTION: If yes, flag the associated data as estimated.

A.1.17.5 **Soil/Sediment**

Circle on each Form VI all values that are:

RPD > 100%, or

Difference > 2 x CRDL*

Batch QC
J13213-3

Is any RPD (where sample and duplicate are both greater than or equal to 5 times *CRDL) :

> 100%? ___ [X] N/A

Is any **difference between sample and duplicate (where sample and/or duplicate is less than 5x*CRDL) :

> 2x*CRDL? ___ [X]

* Substitute IDL for CRDL when IDL > CRDL.
** Use absolute values of sample and duplicate to calculate the difference.

YES NO

ACTION: If yes, flag the associated data as estimated.

A.1.18 **Field Duplicates**

A.1.18.1 Were field duplicates analyzed? [___] X

ACTION: If yes, prepare a Form VI for each aqueous field duplicate pair. Prepare a Form VI for each soil duplicate pair, if percent solids for sample and its duplicate differ by more than 1%; report concentrations of soils in ug/l on wet weight basis and calculate RPDs or Difference for each analyte.

NOTE: 1. Do not calculate RPD when both values are less than IDL.
2. Flag all associated data only for field duplicate pair.

N/A

A.1.18.2 **Aqueous**

Circle all values on self prepared Form VI for field duplicates that are:

RPD > 50%, or
Difference > CRDL*

Is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times *CRDL? [___]

Is any **difference between sample and duplicate greater than *CRDL where sample and/or duplicate is less than 5 times *CRDL? [___]

ACTION: If yes, flag the associated data as estimated.

* Substitute IDL for CRDL when IDL > CRDL.

** Use absolute values of sample and duplicate to calculate the difference.

		YES	NO
A.1.18.3	**Soil/Sediment**	N/A	
	Circle all values on self prepared Form VI for field duplicates that are:		
	RPD >100%, or		
	Difference > 2 x CRDL*		
	Is any RPD (where sample and duplicate are both greater than 5 times *CRDL) :		
	>100%?	___	[___]
	Is any **difference between sample and duplicate (where sample and/or duplicate is less than 5x *CRDL):		
	>2x *CRDL?	___	[___]
	ACTION: If yes, flag the associated data as estimated.		
A.1.19	**Form VII (Laboratory Control Sample)** (Note: LCS - not required for aqueous Hg and cyanide analyses.)		
A.1.19.1	Was one LCS prepared and analyzed for:		
	each SDG?	[X]	___
	each batch samples digested/distilled?	[X]	___
	both AA and ICP when both are used for the same analyte?	[___]	N/A
	ACTION: If no for any of the above, prepare Telephone Record Log and contact laboratory for submittal		

of results of LCS. Flag as estimated (J) all the data for which LCS was not analyzed.

NOTE: If only one LCS was analyzed for more than 20 samples, then first 20 samples close to LCS do not have to be flagged as estimated.

* Substitute IDL for CRDL when IDL > CRDL.
** Use absolute values of sample and duplicate to calculate the difference.

YES NO

A.1.19.2 **Aqueous LCS**

N/A

Circle on each Form VII the LCS percent recoveries outside control limits (80 - 120%) except for aqueous Ag and Sb.

Is any LCS recovery:		YES	NO
	less than 50%?	___	[___]
	between 50% and 79%?	___	[___]
	between 121% and 150%?	___	[___]
	greater than 150%?	___	[___]

ACTION: Less than 50%, reject (red-line) all data; between 50% and 79%, flag all associated data as estimated (J); between 121% and 150%, flag all positive (not flagged with a "U") results as estimated; greater than 150%, reject all positive results.

A.1.19.3 **Solid LCS**

NOTE: 1. If "Found" value of LCS is rejectable due to duplicate injections or analytical spike recovery criteria, regardless of LCS recovery, flag the associated data

as estimated (J).

2. If IDL of an analyte is equal to or greater than true value of LCS, disregard the "Action" below even though LCS is out of control limits.

Is LCS "Found" value higher than the control limits on Form VII? ___ [X]

ACTION: If yes, qualify all associated positive data as estimated.

Is LCS "Found" value lower than the Control limits on Form VII? ___ [X]

ACTION: If yes, qualify all associated data as estimated.

	YES	NO

A.1.20 **Form IX (ICP Serial Dilution)** -

NOTE: Serial dilution analysis is required only for initial concentrations equal to or greater than 10 x IDL.

A.1.20.1 Was Serial Dilution analysis performed for:

	YES	NO
each SDG?	[X]	___
each matrix type?	[X]	___
each concentration range (i.e. low, med.)?	[X]	___

ACTION: If no for any of the above, flag as estimated all the positive data ≥ 10xIDLs or ≥ CRDL when 10xIDL ≤ CRDL for which Serial Dilution Analysis was not performed.

.1.20.2 Was field blank(s) used for Serial Dilution Analysis? ___ [X]

ACTION: If yes, flag all associated data ≥ 10 x IDL as estimated (J). If 10xIDL ≤ CRDL, flag all data ≥ CRDL.

A.1.20.3 Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater. all (ok) [___] N/A

ACTION: If no, write in the Contract-Problem/Non-Compliance section of the "Data Assessment Narrative".

A.1.20.4 Circle on each Form IX all percent difference that are outside the control limits for initial concentrations equal to or greater than 10 x IDLs only.

Are any % difference values:

> 10%? ___ [X]

≥ 100%? ___ [X]

___

YES NO ✓

ACTION: Flag as estimated (J) all the associated sample data ≥ 10xIDLs (or ≥ CRDL when 10xIDL ≤ CRDL) for which percent difference is greater than 10% but less than 100%. Reject (red-line) all the associated sample results equal to or greater than 10xIDLs (or ≥ CRDL when 10xIDL ≤ CRDL) for which PD is greater than or equal to 100%.

Note: Flag or reject on Form I's only the sample results whose associated raw data are ≥ 10xIDL (or ≥ CRDL when 10xIDL≤ CRDL)

.1.21 **Furnace Atomic Absorbtion (AA) QC Analysis**

N/A

A.1.21.1 Are duplicate injections present in furnace raw data (except during full Method of Standard Addition) for each sample analyzed by GFAA? [___] ___

ACTION: If no, reject the data on Form I's for which duplicate injections were not performed.

A.1.21.2 Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or Coefficient of Variation (CV) for concentration greater than CRDL? [___] ___

Was a dilution analyzed for sample with analytical spike recovery less than 40%? [___] ___

ACTION: If no for any of the above, flag all the associated data as estimated.

A.1.21.3 Is *analytical spike recovery outside the control limits (85-115%) for any sample? ___ [___]

ACTION: If yes, flag as estimated the affected sample results if the recovery is between 10-84%; if the recovery is between 115-200%, flag the associated positive sample results as estimated; reject the associated sample results if the recovery is less than 10%; reject positive sample results if the recovery is greater than 200%.

* Analytical spike is not required on the pre-digestion spiked sample.

___

YES NO

NOTE: Reject or flag the data only when the affected sample(s) was not subsequently analyzed by Method of Standard Addition.

N/A

.1.22 **Form VIII (Method of Standard Addition Results)**

A.1.22.1	Present?	[___]	___
	If no, is any Form I result coded with "S" or a "+"?	___	[___]
	ACTION: If yes, write request on Telephone Record Log and contact laboratory for submittal of Form VIII.		
A.1.22.2	Is coefficient of correlation for MSA less than 0.990 for any sample?	___	[___]
	ACTION: If yes, reject (red-line) the affected data.		
A.1.22.3	Was *MSA required for any sample but not performed?	___	[___]
	Is coefficient of correlation for MSA less than 0.995?	___	[___]
	Are MSA calculations outside the linear range of the calibration curve generated at the beginning of the analytical run?	___	[___]
	ACTION: If yes for any of the above, flag all the associated data as estimated (J).		
A.1.22.4	Was proper quantitation procedure followed correctly as outlined in the SOW on page E-23?	[___]	___
	ACTION: If no, note exception under Contract Problem/ Non-Compliance section of the "Data Assessment Narrative", and prepare a separate list.		

* MSA is not required on LCS and prep. blank.

YES NO

N/A

A.1.23 **Dissolved/Total or Inorganic/Total Analytes** -

A.1.23.1 Were any analyses performed for dissolved as well as total analytes on the same sample(s). ___ [___]

Were any analyses performed for inorganic as well as total (organic + inorganic) analytes on the same sample(s)? ___ [___]

NOTE: 1. If yes, prepare a list comparing differences between all dissolved (or inorganic) and total analytes. Compute the differences as a percent of the total analyte only when dissolved concentration is greater than CRDL as well as total concentration.
2. Apply the following questions only if inorganic (or dissolved) results are (i) above CRDL, and (ii) greater than total constituents.
3. At least one preparation blank, ICS, and LCS should be analyzed in each analytical run.

A.1.23.2 Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 10%? ___ [___]

A.1.23.3 Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 50%? ___ [___]

ACTION: If more than 10%, flag both dissolved (or inorganic) and total values as estimated (J); if more than 50%, reject (red-line) the data for both values.

A.1.24 **Form I (Field Blank)** -

(Note: Designate "Field Blank" as such on Form I.)

A.1.24.1 Circle all field blank values on Form I that are greater than CRDL, (or 2 x IDL when IDL > CRDL).

Is field blank concentration less than CRDL (or 2 x IDL when IDL > CRDL) for all parameters

	YES	NO
If no, was field blank value already rejected due to other QC criteria?	[___]	N/A

ACTION: If no, reject (except field blank results) all associated positive sample data less than or equal to five times the field blank value. Reject on Form I's the soil sample results that when converted to ug/L on wet basis are less than or equal to five times the field blank value in ug/L.

A.1.25 **Form X, XI, XII (Verification of Instrumental Parameters).**

A.1.25.1 Is verification report present for:

Instrument Detection Limits (quarterly)?	[X]	___
ICP Interelement Correction Factors (annually)?	[X]	___
ICP Linear Ranges (quarterly)?	[X]	___

ACTION: If no, contact TPO of the lab.

A.1.25.2 **Form X (Instrument Detection Limits)** - (Note: IDL is not required for Cyanide.)

A.1.25.2.1 Are IDLs present for:	all the analytes?	[X]	___
	all the instruments used?	[X]	___
For both AA and ICP when both are used for the same analyte?		[___]	N/A

ACTION: If no for any of the above, prepare Telephone Record Log and contact

laboratory.

A.1.25.2.2 Is IDL greater than CRDL for any analyte? ___ [X]

If yes, is the concentration on Form I of the sample analyzed on the instrument whose IDL exceeds CRDL, greater than 5 x IDL. [___] N/A

YES NO

Action : If no, flag as estimated all values less than five times IDL of the instrument whose IDL exceeds CRDL.

A.1.25.3 **Form XI (Linear Ranges)**

A.1.25.3.1 Was any sample result higher than high linear range of ICP. ___ [X]

Was any sample result higher than the highest calibration standard for non-ICP parameters? ___ [X]

If yes for any of the above, was the sample diluted to obtain the result on Form I? [___] N/A

ACTION: If no, flag the result reported on Form I as estimated(J).

A.1.26 **Percent Solids of Sediments**

A.1.26.1 Are percent solids in sediment(s):

< 50%? X [___] ___

< 10%? ___ [X] ___

ACTION: If yes, qualify as estimated all the results of a sample that has per cent solids between 10%-50% (i.e. moisture content between 50%-90%). Reject all the results of a sample that has per cent solids less than 10% (i.e. moisture content greater than 90%).

NOTE: Reject or flag(J) only the sample results that were not previously rejected or flaged due to other QC criteria.

Case# _____ **Site** _____ **Matrix:** **Soil** _____

SDG# _____ **Lab** _____ **Water** _____

Contractor _____ **Reviewer** _____ **Other** _____

A.2.1 **Validation Flags-** The following flags have been applied in red by the da validator and must be considered by the data user.

J- This flag indicates the result qualified as **estimated**

Red- Line- A red-line drawn through a sample result indicates **unu** value. The red-lined data are known to contain signi errors based on documented information and must not be by the data user.

Fully Usable Data- The results that do not carry "J" or "red-line" are fu **usable.**

Contractual Qualifiers- The legend of contractual qualifiers applied by the la on Form I's is found on page B-20 of SOW ILM01.0.

A.2.2 The data assessment is given below and on the attached sheets.

A.2.2 (continuation)

A.2.2 (continuation)

A.2.3 Contract-Problem/Non-Compliance

MMB/ESAT Rviewer: _____ Date: _____
Signature

Contractor Reviewer: _____ Date: _____
Signature

Verified by:_____ Date:_____

Title: Evaluation of Metals Data for the Contract Laboratory Program
Appendix A.3: Contract Non-Compliance (SMO Report)

Date: Jan. 199
Number: HW-2
Revision: 11

CONTRACT NON-COMPLIANCE
(SMO REPORT)

Regional Review of Uncontrolled Hazardous Waste
Site Contract Laboratory Data Package

CASE NO._____

The hardcopied (laboratory name)_____
Inorganic data package received at Region II has been reviewed and the quality assura
rformance data summarized. The data reviewed included:
SMO Sample No.:_____

Conc. & Matrix:_____

Contract No.(_____) requires that specific analytical work be done and that associated reports be provided by the contractor to the Regions, EMSL-LV, and SM general criteria used to determine the performance were based on an examination of:

- Data Completeness
- Matrix Spike Results
- Calibration Standards Results
- Duplicate Analysis Results
- Blank Analysis Results
- MSA Results

Items of non-compliance with the above contract are described below.

Comments:_____

Reviewer's Initial _____ Date _____

Title: Evaluation of Metals Data for the Contract Laboratory Program
Apendix A.5: CLP Data Assessment Summary Form (Inorganics)

Date: Jan. 1992
Number: HW-2
Revision: 11

Robert S Draft

Title: Evaluation of Metals Data for the Contract Laboratory Program
Appendix A.6: CLP Data Assessment Checklist

Inorganic Analysis

INORGANIC REGIONAL DATA ASSESSMENT

Region___

CASE NO._____

SITE_____

LABORATORY_____

NO. OF SAMPLES/ MATRIX_____

SDG#_____

REVIEWER (IF NOT ESD)_____

SOW#_____

REVIEWER'S NAME_____

TO: ACTION _____ FYI _____ COMPLETION DATE _____

DATA ASSESSMENT SUMMARY

		ICP	AA	Hg	CYANIDE
1.	HOLDING TIMES				
2.	CALIBRATIONS				
3.	BLANKS				
4.	ICS				
5.	LCS				
6.	DUPLICATE ANALYSIS				
7.	MATRIX SPIKE				
8.	MSA				
9.	SERIAL DILUTION				
10.	SAMPLE VERIFICATION				
11.	OTHER QC				
12.	OVERALL ASSESSMENT				

O = Data has no problems/or qualified due to minor problems.
M = Data qualified due to major problems.
Z = Data unacceptable.
X = Problems, but do not affect data.

ACTION ITEMS: _____

AREAS OF CONCERN: _____

NOTABLE PERFORMANCE: _____

Refer to report

ATTACHMENT 4

Subj: **New Samples**
Date: 8/11/2006 1:36:17 P.M. Eastern Standard Time
From: JBarasz@blcompanies.com
To: Tomlinsdqi2@aol.com
CC: JBogdanski@blcompanies.com

Dear Carole,
The STL Job Number is 213204
The two samples that need to be validated are PS-1 (lab ID 213204-2) and PS-2 (Lab ID 213204-3)
They are both Soil Samples
The analyses that were performed were TCL-VOCs (method 8260B), TCL-SVOCs (method 8270), Metals (method 6010B and Mercury), and PCBs (method 8082).

I am attaching two PDF documents of the laboratory test results that I were sent to me. The complete packages are in the Poughkeepsie office. Please let me know if you have any questions.

Thank you very much,

Jonah

S A M P L E I N F O R M A T I O N
Date: 07/07/2006

Job Number.: 213204
Customer...: BL COMPANIES
Attn.....: Nick Tsacoyannis

Project Number.....: 20001302
Customer Project ID....: BROOKLYN WHOLE FOODS
Project Description....: Brooklyn Whole Foods

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
213204-1	W-1	Water	06/30/2006	05:30	06/30/2006	12:10
213204-2	PS-1	Soil	06/30/2006	06:50	06/30/2006	12:10
213204-3	PS-2	Soil	06/30/2006	07:40	06/30/2006	12:10

LABORATORY TEST RESULTS

Job Number: 213204

Date:07/07/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	16.5			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid	83.5			0.10	0.10	1	%	68101		07/03/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.72			0.063	0.21	1.0000	mg/Kg	68178		07/05/06 1340	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4810			93.5	1210	1	mg/Kg	68269		07/06/06 1942	nnp
	Antimony, Solid*	ND	U	N	5.3	54.7	1	mg/Kg	68269		07/06/06 1942	nnp
	Arsenic, Solid*	69.4			5.7	37.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Barium, Solid*	421			0.86	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Beryllium, Solid*	ND	U	N	2.3	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Cadmium, Solid*	7.4	B		4.7	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Calcium, Solid*	14900		*	54.2	397	1	mg/Kg	68269		07/06/06 1942	nnp
	Chromium, Solid*	68.8			1.6	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Cobalt, Solid*	24.3			2.0	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Copper, Solid*	365			3.7	23.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Iron, Solid*	180000			47.7	678	1	mg/Kg	68269		07/06/06 1942	nnp
	Lead, Solid*	751			3.6	42.1	1	mg/Kg	68269		07/06/06 1942	nnp
	Magnesium, Solid*	8810			43.0	164	1	mg/Kg	68269		07/06/06 1942	nnp
	Manganese, Solid*	15600		*	3.0	11.7	1	mg/Kg	68269		07/06/06 1942	nnp
	Nickel, Solid*	113			2.1	23.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Potassium, Solid*	2750		N	187	935	1	mg/Kg	68269		07/06/06 1942	nnp
	Selenium, Solid*	8.6	B		7.5	74.8	1	mg/Kg	68269		07/06/06 1942	nnp
	Silver, Solid*	ND	U		1.5	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Sodium, Solid*	19400		N	93.5	440	1	mg/Kg	68269		07/06/06 1942	nnp
	Thallium, Solid*	19.8	B		19.5	93.5	1	mg/Kg	68269		07/06/06 1942	nnp
	Vanadium, Solid*	78.9			1.7	18.7	1	mg/Kg	68269		07/06/06 1942	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213204

Date:07/07/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	1610		N	17.8	93.5	1	mg/Kg	68269		07/06/06 1942	nnp
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U		7.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloromethane, Solid*	ND	U		5.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Vinyl chloride, Solid*	ND	U		5.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromomethane, Solid*	ND	U		5.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloroethane, Solid*	ND	U		11	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Trichlorofluoromethane, Solid*	ND	U		3.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1-Dichloroethene, Solid*	ND	U		6.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Carbon disulfide, Solid*	12	J		3.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Acetone, Solid*	210		B	19	120	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Methylene chloride, Solid*	23	J	B	13	120	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		3.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		5.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1-Dichloroethane, Solid*	ND	U		4.9	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Vinyl acetate, Solid*	ND	U		16	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		6.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	2-Butanone (MEK), Solid*	ND	U		11	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloroform, Solid*	ND	U		3.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Carbon tetrachloride, Solid*	ND	U		4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Benzene, Solid*	ND	U		5.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichloroethane, Solid*	ND	U		6.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Trichloroethene, Solid*	ND	U		4.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichloropropane, Solid*	ND	U		6.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromodichloromethane, Solid*	ND	U		5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	2-Chloroethylvinylether, Solid*	ND	U		8.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213204

Date:07/07/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		7.2	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Toluene, Solid*	340		B	5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		5.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		6.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Tetrachloroethene, Solid*	ND	U		4.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	2-Hexanone, Solid*	ND	U		15	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Dibromochloromethane, Solid*	ND	U		2.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chlorobenzene, Solid*	ND	U		4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Ethylbenzene, Solid*	ND	U		4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	m&p-Xylenes, Solid*	ND	U		8.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	o-Xylene, Solid*	ND	U		4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Styrene, Solid*	ND	U		6.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromoform, Solid*	ND	U		6.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Isopropylbenzene, Solid*	ND	U		6.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		7.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	n-Propylbenzene, Solid*	ND	U		4.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,3,5-Trimethylbenzene, Solid*	ND	U		5.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	tert-Butylbenzene, Solid*	ND	U		4.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2,4-Trimethylbenzene, Solid*	ND	U		3.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	sec-Butylbenzene, Solid*	ND	U		5.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,3-Dichlorobenzene, Solid*	ND	U		8.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	p-Isopropyltoluene, Solid*	ND	U		5.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,4-Dichlorobenzene, Solid*	ND	U		7.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	n-Butylbenzene, Solid*	ND	U		4.9	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichlorobenzene, Solid*	ND	U		5.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Naphthalene, Solid*	25	J		4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213204

Date:07/07/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	84.9			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid	15.1			0.10	0.10	1	%	68101		07/03/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.80			0.016	0.052	1.0000	mg/Kg	68178		07/05/06 1341	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6950			21.3	275	1	mg/Kg	68269		07/06/06 1948	nnp
	Antimony, Solid*	1.8	B	N	1.2	12.5	1	mg/Kg	68269		07/06/06 1948	nnp
	Arsenic, Solid*	32.9			1.3	8.5	1	mg/Kg	68269		07/06/06 1948	nnp
	Barium, Solid*	412			0.20	2.1	1	mg/Kg	68269		07/06/06 1948	nnp
	Beryllium, Solid*	0.91	B	N	0.53	2.1	1	mg/Kg	68269		07/06/06 1948	nnp
	Cadmium, Solid*	4.5			1.1	3.2	1	mg/Kg	68269		07/06/06 1948	nnp
	Calcium, Solid*	26900		*	12.4	90.7	1	mg/Kg	68269		07/06/06 1948	nnp
	Chromium, Solid*	37.2			0.36	3.2	1	mg/Kg	68269		07/06/06 1948	nnp
	Cobalt, Solid*	7.0			0.45	2.1	1	mg/Kg	68269		07/06/06 1948	nnp
	Copper, Solid*	212			0.85	5.3	1	mg/Kg	68269		07/06/06 1948	nnp
	Iron, Solid*	15900			10.9	155	1	mg/Kg	68269		07/06/06 1948	nnp
	Lead, Solid*	710			0.81	9.6	1	mg/Kg	68269		07/06/06 1948	nnp
	Magnesium, Solid*	3990			9.8	37.3	1	mg/Kg	68269		07/06/06 1948	nnp
	Manganese, Solid*	231		*	0.68	2.7	1	mg/Kg	68269		07/06/06 1948	nnp
	Nickel, Solid*	28.3			0.47	5.3	1	mg/Kg	68269		07/06/06 1948	nnp
	Potassium, Solid*	861		N	42.7	213	1	mg/Kg	68269		07/06/06 1948	nnp
	Selenium, Solid*	3.7	B		1.7	17.1	1	mg/Kg	68269		07/06/06 1948	nnp
	Silver, Solid*	1.1	B		0.34	3.2	1	mg/Kg	68269		07/06/06 1948	nnp
	Sodium, Solid*	520		N	21.3	100	1	mg/Kg	68269		07/06/06 1948	nnp
	Thallium, Solid*	ND	U		4.4	21.3	1	mg/Kg	68269		07/06/06 1948	nnp
	Vanadium, Solid*	58.5			0.38	4.3	1	mg/Kg	68269		07/06/06 1948	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213204

Date:07/07/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	977		N	4.1	21.3	1	mg/Kg	68269		07/06/06 1948	nnp
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U		1.5	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloromethane, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Vinyl chloride, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromomethane, Solid*	ND	U		0.97	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloroethane, Solid*	ND	U		2.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Trichlorofluoromethane, Solid*	ND	U		0.71	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.3	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Carbon disulfide, Solid*	ND	U		0.72	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Acetone, Solid*	4.2	J	B	3.7	24	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Methylene chloride, Solid*	12	J	B	2.6	24	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.68	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.95	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Vinyl acetate, Solid*	ND	U		3.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	2-Butanone (MEK), Solid*	ND	U		2.1	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloroform, Solid*	ND	U		0.62	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Carbon tetrachloride, Solid*	ND	U		0.92	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Benzene, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Trichloroethene, Solid*	ND	U		0.80	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromodichloromethane, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	2-Chloroethylvinylether, Solid*	ND	U		1.6	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.92	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213204 Date:07/07/2006

CUSTOMER: BL COMPANIES PROJECT: BROOKLYN WHOLE FOODS ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.4	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Toluene, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Tetrachloroethene, Solid*	ND	U		0.82	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	2-Hexanone, Solid*	ND	U		3.0	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Dibromochloromethane, Solid*	ND	U		0.48	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chlorobenzene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Ethylbenzene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	m&p-Xylenes, Solid*	ND	U		1.6	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	o-Xylene, Solid*	ND	U		0.91	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Styrene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromoform, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Isopropylbenzene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	n-Propylbenzene, Solid*	ND	U		0.86	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,3,5-Trimethylbenzene, Solid*	ND	U		0.98	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	tert-Butylbenzene, Solid*	ND	U		0.82	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2,4-Trimethylbenzene, Solid*	ND	U		0.72	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	sec-Butylbenzene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,3-Dichlorobenzene, Solid*	ND	U		1.7	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	p-Isopropyltoluene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,4-Dichlorobenzene, Solid*	ND	U		1.4	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	n-Butylbenzene, Solid*	ND	U		0.95	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichlorobenzene, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Naphthalene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd

* In Description = Dry Wgt.

SDG: 213204	Client Sample ID:	PS-1	PS-2			
	Job Number & Lab Sample ID:	A06-7577 A6757701	A06-7577 A6757702			
	Sample Date:	06/30/2006	06/30/2006			
	TCLP Date/HT Met:	- -	- -			
	Extraction Date/HT Met:	07/03/2006 14:00 YES	07/03/2006 14:00 YES			
	Analysis Date/Ht Met:	07/06/2006 12:42 YES	07/06/2006 13:18 YES			
	Dilution Factor:	1.0	1.0			
Analyte (UG/KG)	RL	Result	Result			
METHOD 8082 - POLYCHLORINATED BIPHENYLS						
Aroclor 1016	3.3	4.0 U	4.4 U			
Aroclor 1221	7.0	8.6 U	9.3 U			
Aroclor 1232	3.1	3.9 U	4.2 U			
Aroclor 1242	2.9	3.6 U	3.9 U			
Aroclor 1248	4.0	5.0 U	5.3 U			
Aroclor 1254	8.7	34	12 U			
Aroclor 1260	6.6	52	8.8 U			
SURROGATES						
Tetrachloro-m-xylene	32-148	66	36			
Decachlorobiphenyl	36-153	78	344 *			

	TCLP Date/HT Met:	- -	- -			
	Extraction Date/HT Met:	07/03/2006 14:00 YES	07/03/2006 14:00 YES			
	Analysis Date/Ht Met:	07/05/2006 16:43 YES	07/05/2006 17:08 YES			
	Dilution Factor:	5.0	10.0			
Analyte (UG/KG)	RL	Result	Result			
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS						
Acenaphthene	330	2000 U	120000			
Acenaphthylene	330	2000 U	43000 J			
Acetophenone	330	2000 U	88000 U			
Anthracene	330	2000 U	240000			
Atrazine	330	2000 U	88000 U			
Benzaldehyde	330	2000 U	88000 U			
Benzo(a)anthracene	330	140 J	630000			
Benzo(b)fluoranthene	330	140 J	960000			
Benzo(k)fluoranthene	330	2000 U	990000			
Benzo(ghi)perylene	330	120 J	270000			
Benzo(a)pyrene	330	110 J	560000			
Biphenyl	330	2000 U	12000 J			
Bis(2-chloroethoxy) methane	330	2000 U	88000 U			
Bis(2-chloroethyl) ether	330	2000 U	88000 U			
2,2'-Oxybis(1-Chloropropane)	330	2000 U	88000 U			
Bis(2-ethylhexyl) phthalate	330	2000 U	88000 U			
4-Bromophenyl phenyl ether	330	2000 U	88000 U			
Butyl benzyl phthalate	330	2000 U	88000 U			
Caprolactam	330	2000 U	88000 U			

* Indicates Result is Outside QC Limits
NA = Not Applicable

SDG: 213204	Client Sample ID:	PS-1		PS-2				
	Job Number & Lab Sample ID:	A06-7577 A6757701		A06-7577 A6757702				
	Sample Date:	06/30/2006		06/30/2006				
	TCLP Date/HT Met:	- -		- -				
	Extraction Date/HT Met:	07/03/2006 14:00 YES		07/03/2006 14:00 YES				
	Analysis Date/Ht Met:	07/05/2006 16:43 YES		07/05/2006 17:08 YES				
	Dilution Factor:	5.0		10.0				
Analyte (UG/KG)	RL	Result		Result				
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS								
4-Chloroaniline	330	2000	U	88000	U			
4-Chloro-3-methylphenol	330	2000	U	88000	U			
2-Chloronaphthalene	330	2000	U	88000	U			
2-Chlorophenol	330	2000	U	88000	U			
4-Chlorophenyl phenyl ether	330	2000	U	88000	U			
Carbazole	330	2000	U	170000				
Chrysene	330	140	J	580000				
Dibenzo(a,h)anthracene	330	2000	U	89000				
Dibenzofuran	330	2000	U	96000				
Di-n-butyl phthalate	330	2000	U	88000	U			
3,3'-Dichlorobenzidine	1600	9900	U	430000	U			
2,4-Dichlorophenol	330	2000	U	88000	U			
Diethyl phthalate	330	2000	U	88000	U			
2,4-Dimethylphenol	330	2000	U	88000	U			
Dimethyl phthalate	330	2000	U	88000	U			
4,6-Dinitro-2-methylphenol	1600	9900	U	430000	U			
2,4-Dinitrophenol	1600	9900	U	430000	U			
2,4-Dinitrotoluene	330	2000	U	88000	U			
2,6-Dinitrotoluene	330	2000	U	88000	U			
Di-n-octyl phthalate	330	2000	U	88000	U			
Fluoranthene	330	210	J	1400000				
Fluorene	330	2000	U	150000				
Hexachlorobenzene	330	2000	U	88000	U			
Hexachlorobutadiene	330	2000	U	88000	U			
Hexachlorocyclopentadiene	330	2000	U	88000	U			
Hexachloroethane	330	2000	U	88000	U			
Indeno(1,2,3-cd)pyrene	330	2000	U	280000				
Isophorone	330	2000	U	88000	U			
2-Methylnaphthalene	330	2000	U	65000	J			
2-Methylphenol	330	2000	U	88000	U			
4-Methylphenol	330	450	J	88000	U			
Naphthalene	330	2000	U	180000				
2-Nitroaniline	1600	9900	U	430000	U			
3-Nitroaniline	1600	9900	U	430000	U			
4-Nitroaniline	1600	9900	U	430000	U			
Nitrobenzene	330	2000	U	88000	U			
2-Nitrophenol	330	2000	U	88000	U			
4-Nitrophenol	1600	9900	U	430000	U			
N-nitrosodiphenylamine	330	2000	U	88000	U			

* Indicates Result is Outside QC Limits
NA = Not Applicable

SDG: 213204	Client Sample ID:	PS-1	PS-2			
	Job Number & Lab Sample ID:	A06-7577 A6757701	A06-7577 A6757702			
	Sample Date:	06/30/2006	06/30/2006			
	TCLP Date/HT Met:	- -	- -			
	Extraction Date/HT Met:	07/03/2006 14:00 YES	07/03/2006 14:00 YES			
	Analysis Date/Ht Met:	07/05/2006 16:43 YES	07/05/2006 17:08 YES			
	Dilution Factor:	5.0	10.0			

Analyte (UG/KG)	RL	Result		Result				
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS								
N-Nitroso-Di-n-propylamine	330	2000	U	88000	U			
Pentachlorophenol	1600	9900	U	430000	U			
Phenanthrene	330	2000	U	1100000				
Phenol	330	170	J	88000	U			
Pyrene	330	220	J	1000000				
2,4,5-Trichlorophenol	800	5000	U	210000	U			
2,4,6-Trichlorophenol	330	2000	U	88000	U			
INTERNAL STANDARDS								
1,4-Dichlorobenzene-D4	50-200	79		81				
Naphthalene-D8	50-200	84		84				
Acenaphthene-D10	50-200	84		84				
Phenanthrene-D10	50-200	90		93				
Chrysene-D12	50-200	85		95				
Perylene-D12	50-200	93		114				
SURROGATES								
Nitrobenzene-D5	35-120	66		0	*			
2-Fluorobiphenyl	45-120	72		0	*			
p-Terphenyl-d14	54-135	74		0	*			
Phenol-D5	40-120	70		0	*			
2-Fluorophenol	30-120	68		0	*			
2,4,6-Tribromophenol	46-129	70		0	*			

* Indicates Result is Outside QC Limits
NA = Not Applicable

SDG: 213204	Client Sample ID:	Matrix Spike Blank	Method Blank	MSB87	SBLK87	
	Job Number & Lab Sample ID:	A06-7577 A6B2216401	A06-7577 A6B2216402	A06-7577 A6B2216501	A06-7577 A6B2216502	
	Sample Date:					
	TCLP Date/HT Met:	- -	- -			
	Extraction Date/HT Met:	07/03/2006 14:00 YES	07/03/2006 14:00 YES			
	Analysis Date/Ht Met:	07/05/2006 13:05 YES	07/05/2006 13:23 YES			
	Dilution Factor:	1.0	1.0			

Analyte (UG/KG)	RL	Result	Result	Result	Result	
METHOD 8082 - POLYCHLORINATED BIPHENYLS						
Aroclor 1016	3.3	170	3.2 U	NA	NA	
Aroclor 1221	7.0	6.9 U	6.8 U	NA	NA	
Aroclor 1232	3.1	3.1 U	3.0 U	NA	NA	
Aroclor 1242	2.9	2.9 U	2.8 U	NA	NA	
Aroclor 1248	4.0	4.0 U	3.9 U	NA	NA	
Aroclor 1254	8.7	8.6 U	8.4 U	NA	NA	
Aroclor 1260	6.6	180	6.4 U	NA	NA	
SURROGATES						
Tetrachloro-m-xylene	32-148	93	78	NA	NA	
Decachlorobiphenyl	36-153	96	109	NA	NA	

	TCLP Date/HT Met:			- -	- -	
	Extraction Date/HT Met:			07/03/2006 14:00 YES	07/03/2006 14:00 YES	
	Analysis Date/Ht Met:			07/05/2006 15:53 YES	07/05/2006 16:18 YES	
	Dilution Factor:			1.0	1.0	

Analyte (UG/KG)	RL	Result	Result	Result	Result	
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS						
Fluorene	330	NA	NA	330 U	330 U	
Naphthalene	330	NA	NA	330 U	330 U	
Phenanthrene	330	NA	NA	330 U	330 U	
INTERNAL STANDARDS						
1,4-Dichlorobenzene-D4	50-200	NA	NA	82	81	
Naphthalene-D8	50-200	NA	NA	86	86	
Acenaphthene-D10	50-200	NA	NA	86	85	
Phenanthrene-D10	50-200	NA	NA	96	94	
Chrysene-D12	50-200	NA	NA	92	92	
Perylene-D12	50-200	NA	NA	92	94	
SURROGATES						
Nitrobenzene-D5	35-120	NA	NA	68	66	
2-Fluorobiphenyl	45-120	NA	NA	75	71	
p-Terphenyl-d14	54-135	NA	NA	80	87	
Phenol-D5	40-120	NA	NA	66	65	
2-Fluorophenol	30-120	NA	NA	60	60	
2,4,6-Tribromophenol	46-129	NA	NA	72	72	

* Indicates Result is Outside QC Limits
NA = Not Applicable

SDG: 213204	Client Sample ID:	Matrix Spike Blank	Method Blank	MSB87	SBLK87	
	Job Number & Lab Sample ID:	A06-7577 A6B2216401	A06-7577 A6B2216402	A06-7577 A6B2216501	A06-7577 A6B2216502	
	Sample Date:					
	TCLP Date/HT Met:			- -	- -	
	Extraction Date/HT Met:			07/03/2006 14:00 YES	07/03/2006 14:00 YES	
	Analysis Date/Ht Met:			07/05/2006 15:53 YES	07/05/2006 16:18 YES	
	Dilution Factor:			1.0	1.0	

Analyte (UG/KG)	RL	Result	Result	Result		Result		
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS								
Acenaphthene	330	NA	NA	2700		330	U	
Acenaphthylene	330	NA	NA	320	U	330	U	
Acetophenone	330	NA	NA	320	U	330	U	
Anthracene	330	NA	NA	320	U	330	U	
Atrazine	330	NA	NA	320	U	330	U	
Benzaldehyde	330	NA	NA	320	U	330	U	
Benzo(a)anthracene	330	NA	NA	320	U	330	U	
Benzo(b)fluoranthene	330	NA	NA	320	U	330	U	
Benzo(k)fluoranthene	330	NA	NA	320	U	330	U	
Benzo(ghi)perylene	330	NA	NA	320	U	330	U	
Benzo(a)pyrene	330	NA	NA	320	U	330	U	
Biphenyl	330	NA	NA	320	U	330	U	
Bis(2-chloroethoxy) methane	330	NA	NA	320	U	330	U	
Bis(2-chloroethyl) ether	330	NA	NA	320	U	330	U	
2,2'-Oxybis(1-Chloropropane)	330	NA	NA	320	U	330	U	
Bis(2-ethylhexyl) phthalate	330	NA	NA	320	U	330	U	
4-Bromophenyl phenyl ether	330	NA	NA	320	U	330	U	
Butyl benzyl phthalate	330	NA	NA	320	U	330	U	
Caprolactam	330	NA	NA	320	U	330	U	
4-Chloroaniline	330	NA	NA	320	U	330	U	
4-Chloro-3-methylphenol	330	NA	NA	2600		330	U	
2-Chloronaphthalene	330	NA	NA	320	U	330	U	
2-Chlorophenol	330	NA	NA	2200		330	U	
4-Chlorophenyl phenyl ether	330	NA	NA	320	U	330	U	
Carbazole	330	NA	NA	320	U	330	U	
Chrysene	330	NA	NA	320	U	330	U	
Dibenzo(a,h)anthracene	330	NA	NA	320	U	330	U	
Dibenzofuran	330	NA	NA	320	U	330	U	
Di-n-butyl phthalate	330	NA	NA	320	U	330	U	
3,3'-Dichlorobenzidine	1600	NA	NA	1600	U	1600	U	
2,4-Dichlorophenol	330	NA	NA	320	U	330	U	
Diethyl phthalate	330	NA	NA	320	U	330	U	
2,4-Dimethylphenol	330	NA	NA	320	U	330	U	
Dimethyl phthalate	330	NA	NA	320	U	330	U	
4,6-Dinitro-2-methylphenol	1600	NA	NA	1600	U	1600	U	
2,4-Dinitrophenol	1600	NA	NA	1600	U	1600	U	
2,4-Dinitrotoluene	330	NA	NA	2600		330	U	
2,6-Dinitrotoluene	330	NA	NA	320	U	330	U	
Di-n-octyl phthalate	330	NA	NA	320	U	330	U	

* Indicates Result is Outside QC Limits
NA = Not Applicable

SDG: 213204	Client Sample ID:	Matrix Spike Blank	Method Blank	MSB87	SBLK87	
	Job Number & Lab Sample ID:	A06-7577 A6B2216401	A06-7577 A6B2216402	A06-7577 A6B2216501	A06-7577 A6B2216502	
	Sample Date:					
	TCLP Date/HT Met:			- -	- -	
	Extraction Date/HT Met:			07/03/2006 14:00 YES	07/03/2006 14:00 YES	
	Analysis Date/Ht Met:			07/05/2006 15:53 YES	07/05/2006 16:18 YES	
	Dilution Factor:			1.0	1.0	

Analyte (UG/KG)	RL	Result	Result	Result	Result	
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS						
Fluoranthene	330	NA	NA	320 U	330 U	
Fluorene	330	NA	NA	320 U	330 U	
Hexachlorobenzene	330	NA	NA	320 U	330 U	
Hexachlorobutadiene	330	NA	NA	320 U	330 U	
Hexachlorocyclopentadiene	330	NA	NA	320 U	330 U	
Hexachloroethane	330	NA	NA	320 U	330 U	
Indeno(1,2,3-cd)pyrene	330	NA	NA	320 U	330 U	
Isophorone	330	NA	NA	320 U	330 U	
2-Methylnaphthalene	330	NA	NA	320 U	330 U	
2-Methylphenol	330	NA	NA	320 U	330 U	
4-Methylphenol	330	NA	NA	320 U	330 U	
Naphthalene	330	NA	NA	320 U	330 U	
2-Nitroaniline	1600	NA	NA	1600 U	1600 U	
3-Nitroaniline	1600	NA	NA	1600 U	1600 U	
4-Nitroaniline	1600	NA	NA	1600 U	1600 U	
Nitrobenzene	330	NA	NA	320 U	330 U	
2-Nitrophenol	330	NA	NA	320 U	330 U	
4-Nitrophenol	1600	NA	NA	2700	1600 U	
N-nitrosodiphenylamine	330	NA	NA	320 U	330 U	
N-Nitroso-Di-n-propylamine	330	NA	NA	2700	330 U	
Pentachlorophenol	1600	NA	NA	2100	1600 U	
Phenanthrene	330	NA	NA	320 U	330 U	
Phenol	330	NA	NA	2100	330 U	
Pyrene	330	NA	NA	2600	330 U	
2,4,5-Trichlorophenol	800	NA	NA	790 U	790 U	
2,4,6-Trichlorophenol	330	NA	NA	320 U	330 U	
INTERNAL STANDARDS						
1,4-Dichlorobenzene-D4	50-200	NA	NA	82	81	
Naphthalene-D8	50-200	NA	NA	86	86	
Acenaphthene-D10	50-200	NA	NA	86	85	
Phenanthrene-D10	50-200	NA	NA	96	94	
Chrysene-D12	50-200	NA	NA	92	92	
Perylene-D12	50-200	NA	NA	92	94	
SURROGATES						
Nitrobenzene-D5	35-120	NA	NA	68	66	
2-Fluorobiphenyl	45-120	NA	NA	75	71	
p-Terphenyl-d14	54-135	NA	NA	80	87	
Phenol-D5	40-120	NA	NA	66	65	
2-Fluorophenol	30-120	NA	NA	60	60	

* Indicates Result is Outside QC Limits
NA = Not Applicable

SDG: 213204	Client Sample ID:	Matrix Spike Blank	Method Blank	MSB87	SBLK87	
	Job Number & Lab Sample ID:	A06-7577 A6B2216401	A06-7577 A6B2216402	A06-7577 A6B2216501	A06-7577 A6B2216502	
	Sample Date:					
	TCLP Date/HT Met:			- -	- -	
	Extraction Date/HT Met:			07/03/2006 14:00 YES	07/03/2006 14:00 YES	
	Analysis Date/Ht Met:			07/05/2006 15:53 YES	07/05/2006 16:18 YES	
	Dilution Factor:			1.0	1.0	
Analyte (UG/KG)	RL	Result	Result	Result	Result	
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS						
2,4,6-Tribromophenol	46-129	NA	NA	72	72	

* Indicates Result is Outside QC Limits
NA = Not Applicable

Subj: **Re: New Samples**
Date: 8/11/2006 8:33:55 P.M. Eastern Standard Time
From: Tomlinsdqi2
To: JBarasz@blcompanies.com

Hi Jonah -

Thanks for the work - I'll have a deliverable to you by Friday next week. I'll put the report in a 3 ring binder - but this time around I don't think I'll include copies of the SW-846 methods - I'll just make a reference in the report to refer to previous report submittals, providing this is part of the Brooklyn Whole Foods Site.

Let me know what you think.

Carole

Subj: **RE: New Samples**
Date: 8/14/2006 9:48:11 A.M. Eastern Standard Time
From: JBarasz@blcompanies.com
To: Tomlinsdqi2@aol.com

Hi Carole
Yes, the samples are part of the Brooklyn Whole Foods Site, and it is fine just to refer to the previous reports for the SW-846 methods. Thank you for your cooperation to get the report done by Friday. As I mentioned before, the STL lab report is in the Poughkeepsie office. I would like to let Kelly Hegarty or Kristin Thatcher know when you will be picking up the lab report so that they can have it ready for you. So, please let me know the day that you will be picking up the report. Also, will you need a space in the Poughkeepsie office like last time or will you just pick up the report and work from your home office?
Take Care,
Jonah

-----Original Message-----
From: Tomlinsdqi2@aol.com [mailto:Tomlinsdqi2@aol.com]
Sent: Friday, August 11, 2006 8:34 PM
To: Barasz, Jonah
Subject: Re: New Samples

Hi Jonah -

Thanks for the work - I'll have a deliverable to you by Friday next week. I'll put the report in a 3 ring binder - but this time around I don't think I'll include copies of the SW-846 methods - I'll just make a reference in the report to refer to previous report submittals, providing this is part of the Brooklyn Whole Foods Site.

Let me know what you think.

Carole

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: 8/14/06 Time: 1:08 AM [] PM [x]

Call:

Name: J.U Dubanoski (203) 929-8140
Affiliation: STL - CT Telephone No.

DQI Staff: Carole A. Tomlins (845) 855-3636
Telephone No.

Summary of Conversation:

(1) PS-1 no TS doesn't look correct — please check values + call me back.

Subj: **BL-BWF 213204 Solids Question**
Date: 8/14/2006 1:46:46 P.M. Eastern Standard Time
From: JDuhancik@stl-inc.com
To: Tomlinsdqi2@aol.com

Carole,
I received your voicemail concerning sample PS-1. The solids are correct as reported and I attached a copy of our percent solid logbook. There were notes stating the sample was wet.
Regards,
Jill

Jill Duhancik
Project Manager
STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
203 944 1319
Leaders in Environmental Testing

% SOLIDS DETERMINATION ASTM D-2216 **STL CONNECTICUT**

BATCH NO: C08101

% SOLIDS = (DRY WT/ WET WT) x 100 OVEN TEMP ©: IN: 105C **OUT:** 105C

STL ID	DISH WT (g) Wds	SAMPLE WET WT (g) Ww* (plus dish)	SAMPLE DRY WT (plus dish)	
213203 - 20	1.01	11.35	8.75	
213204 - 2	1.02	6.10	~~8.~~ 1.86	Mushy
3	1.03	9.38	8.12	
213209 - 1	0.99	6.45	6.10	Conch Reeds
2	1.02	6.41	2.12	Mossy
3	1.02	9.88	9.76	Conc Area
4	0.97	7.05	4.81	Mossy
5	1.01	6.44	6.35	Cove
6	1.01	6.03	5.55	
213213 3	1.00	6.45	4.96	
3D	1.00	8.44	6.15	
4	1.00	11.06	8.63	
5	1.00	8.89	6.64	
6	1.01	6.65	5.14	
7	1.02	8.66	6.79	
213216 1	1.00	5.03	4.00	
2	1.01	8.31	5.84	
3	1.02	7.02	~~5.~~ 5.39	

Date in: 7/3/06 Time in: 7:30 Date out: 7/3/06 Time out: 16:30 Analyst: MJ

1) **A minimum of 5.00g of wet sample should be taken for this analysis.**
2) **Do not exceed a 24 hour drying time.**
3) **One per 20 samples must be determined in duplicate**

Reviewed by:_____ Date:_____

STL Form# CVF05701.CT

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: 8/14/06 Time: 8:30 AM [] PM [X]

Call:

Name: Jill Dubanek (203) 929-8140
Telephone No.

Affiliation: STL-CT

DQI Staff: Carole A. Tomlins (845) 855-3636
Telephone No.

Summary of Conversation:

(1) As I was renewing STL-Buff date - WTS for PS-1 completely different than STL-CT. Please look @ Sample jar.

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: 8/14/06

Time: 2:40 AM [] PM []

Call:

Name: Jonah Barasz

Affiliation: BL Comp.

1- (201) 301-1077
Telephone No.

DQI Staff: Carole A. Tomlins

(845) 855-3636
Telephone No.

Summary of Conversation:

Jonah - (1) need to check field notes - PS-1

(2) BL personnel collecting sample said H2O present in that sample

(3) will forward field notes.

Subj: **RE: New Samples**
Date: 8/14/2006 2:59:36 P.M. Eastern Standard Time
From: JBarasz@blcompanies.com
To: Tomlinsdqi2@aol.com

Hi Carole,
These are the field notes. for each sample, there were two containers collected (a 2oz. and an 8oz. jar).
For PS-1 it was very wet, and PS-2 was dry.
Let me know if there are any other questions.
Thanks,
Jonah

03C497
6/30/06

Brooklyn Whole Foods
Pipe Sediment Sampling

0430 - Arrive onsite; waiting for Rich Bracco; weather = clear, warming

0450 - Rich arrives, cut through chain

0500 - Pipe discharging water to canal -

0505 - Go to bridge to look for any additional pipes → can't see any - not low tide enough to walk along canal

0520 - Collect sample of discharge water in 5-gallon bucket to transfer to sampling jars

0530 - Collect water sample W-1

0645 - Manage to collect enough sediment from bottom, sides, and top of pipe for sample

Collected from ~8 ft to 3 ft within pipe (pipe is 26 feet long)

Screen sediment sample
PID = 15.4 max

0650 - Collect PS-1

0700 - Decon equipment

0715 - Scope out second pipe

0740 - Collect sample PS-2 from second pipe
Upon inspection of pipe, find that it contains dry, black silty material w/ pieces of debris → brick, concrete? possibly filled when excavation was dug

Pipe curves slightly ~3' in so sampling past 4-5 ft is impossible w/ my equipment

* Screen sample = 63.4 ppm
no odor

0745 - Begin attempting to close pipe 1 - need to dig trench to divert water (still running through pipe)

0750 - while Rich begins to fill in pipe 1, I decon equipment

0805 - TT - Nick
Leave message

0820 - Need more concrete - go to find hardware store

0920 - Finishing patching pipe (Photos)

0930 - Leave site - lock gate w/ new lock, go next door to give a copy to Karen

0945 - Leave for lab

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: 8/14/06 Time: 2:50 AM [] PM [X]

Call:

Name: Jill Dubanchet (203) 929-8140
Telephone No.

Affiliation: STL - G

DQI Staff: Carole A. Tomlins (845) 855-3636
Telephone No.

Summary of Conversation:

① Jill indicated H$_2$O in sample BS-1; she will have
this reanalyzed by both Ct + Buff Labs.

Subj: **STL CT % Solids for 213204**
Date: 8/15/2006 8:54:22 A.M. Eastern Standard Time
From: JDuhancik@stl-inc.com
To: Tomlinsdqi2@aol.com

Carole,
We re-performed the % solids on sample PS-1 from job 213204. Results are the same. See attached results.
I am waiting to hear back from STL Buffalo.
Regards,
Jill

Jill Duhancik
Project Manager
STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
203 944 1319
Leaders in Environmental Testing

*** RAW TEST DATA ***

(V2)

Report Date: 8/15/06 8:23

Method Code..: SOLIDS
Batch Code...: 69910
Status.....: RVWD

Batch Date...: 08/14/06
Batch Time...: 1525
User Name....: rlm

QC Code.....: STD
Calc Code.....: %SOL
Location Code..: 57207

Equipment Code..:
Import Code....:

SAMPLE:	Grp	Pos	Sample ID	Dilution	%SOLID %	IWGT g	FWGT g	TARE g	WETWT g
	1	1	213446_18_S___		90.4	9.0900	8.2200	0.97	10.06
	1	2	213446_19_S___		92.5	9.8300	9.0900	0.97	10.80
	1	3	213446_20_S___		92.8	9.2000	8.5400	0.97	10.17
	1	4	213449_7_S___		33.2	11.5800	3.8500	0.98	12.56
	1	5	213449_10_S___		82.8	8.9700	7.4300	1.00	9.97
	1	6	213449_11_S___		70.4	7.2200	5.0800	0.98	8.20
	1	7	213466_1_S___		91.9	10.2900	9.4600	1.02	11.31
	1	8	213466_1_S_MD__7		92.1	9.2700	8.5400	1.00	10.27
	1	9	213466_2_S___		90.1	12.7700	11.5000	1.01	13.78
	1	10	213467_1_S___		63.3	12.2800	7.7700	1.01	13.29
	1	11	213467_2_S___		50.8	13.2200	6.7200	1.01	14.23
	1	12	213467_3_S___		39.8	13.7200	5.4600	0.98	14.70
	1	13	213467_4_S___		50.5	14.1000	7.1200	1.00	15.10
	1	14	213467_5_S___		49.0	15.0100	7.3600	1.00	16.01
	1	15	213467_6_S___		54.6	16.0400	8.7600	0.99	17.03
	1	16	213467_7_S___		47.0	16.3400	7.6800	0.98	17.32
	1	17	213467_8_S___		66.0	11.3800	7.5100	1.00	12.38
	1	18	213467_9_S___		41.0	16.1800	6.6400	1.03	17.21
	1	19	213467_10_S___		54.2	12.9800	7.0300	1.01	13.99
	1	20	213467_11_S___		64.4	9.8600	6.3500	0.99	10.85
	1	21	213467_12_S___		56.8	10.9000	6.1900	1.00	11.90
	1	22	213467_13_S___		49.1	13.2200	6.4900	0.98	14.20
	1	23	213467_14_S___		54.5	14.3900	7.8400	1.02	15.41
	1	24	213467_15_S___		45.0	13.8800	6.2500	1.02	14.90
	1	25	213467_16_S___		63.9	14.2600	9.1100	1.02	15.28
	1	26	213467_17_S___		47.4	16.0200	7.6000	1.01	17.03
	1	27	213467_18_S___		50.3	9.9500	5.0000	1.01	10.96
	1	28	213467_19_S___		51.4	10.2600	5.2700	0.99	11.25
	1	29	213467_20_S___		39.1	13.0800	5.1200	0.97	14.05
	1	30	213467_20_S_MD__29		38.1	11.4000	4.3400	0.98	12.38
	1	31	213473_1_S___		89.2	12.0400	10.7400	0.98	13.02
	1	32	213473_2_S___		82.5	14.0200	11.5600	1.02	15.04
	1	33	213473_3_S___		84.2	11.4900	9.6800	1.00	12.49
	1	34	213204_2_S___		18.2	12.9400	2.3600	1.02	13.96
	1	35	213204_3_S___		85.6	8.4700	7.2500	1.02	9.49

Confirmation

- analyzed 8/14/06

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: 8/15/06 Time: 9:10 AM [X] PM []

Call:

Name: Jill Dubenak (203) 929-8140
Telephone No.

Affiliation: STL - CS

DQI Staff: Carole A. Tomlins (845) 855-3636
Telephone No.

Summary of Conversation:

(1) need rest of ICAC forms (see page 127)

(2) need rest of CCV forms (see page 148)

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: 8/15/06 Time: 9:20 AM [✓] PM []

Call:

Name: Jill Dubensky (203) 929-8140
Telephone No.

Affiliation: STL-

DQI Staff: Carole A. Tomlins (845) 855-3636
Telephone No.

Summary of Conversation:

Need: (1) % TS sheet / data
(2) reused from I's
(3) Calibration data (ICAL / CCAL)
(4) "Batch QC"

Jill indicated that STL-Buff did not properly calculate % TS data

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: 8/15/06 Time: 9:25 AM ☑ PM ☐

Call:

Name: Jonah Bass 1- (845) 701 - 3377
Telephone No.

Affiliation: BL Comp.

DQI Staff: Carole A. Tomlins (845) 855-3636
Telephone No.

Summary of Conversation:

Jonah:

(1) explained 70 TS issue

(2) STL - CT 2013 data (on)

(3) STL - Buff - did not calc. 2013 data properly - and will resubmit for I data

(4) I'm discarding electronic version of data - Jonah to call STL - CT + have them resend EDD w/ updated revisions

✓

THE DATA QUALITY INDICATOR & ASSOCIATES, INC.
RECORD OF TELEPHONE CONVERSATION/AGREEMENT

Project No. Brooklyn Whole Foods

Date: 8/15/06 Time: 9:40 AM [✓] PM []

Call:

Name: Jill Duhaney (203) 929-8140
Telephone No.

Affiliation: STL-

DQI Staff: Carole A. Tomlins (845) 855-3636
Telephone No.

Summary of Conversation:

(1) Confirm that cooler TP 5.2°C — samples collected same day. (ok)

Subj: **VOC - resubmittal**
Date: 8/15/2006 10:12:36 A.M. Eastern Standard Time
From: Tomlinsdqi2
To: jduhancik@stl-inc.com
CC: jbarasz@blcompanies.com

Hi Jill-

Could you please hand write the total xylene recoveries for the LCS samples on pages 45 and 46 of the STL Report 213204; scan/pdf and send back to me.....thanks Jill-

Carole

Subj: **FW: VOC - resubmittal**
Date: 8/15/2006 2:25:14 P.M. Eastern Standard Time
From: JDuhancik@stl-inc.com
To: Tomlinsdqi2@aol.com

From: Decker, Larry
Sent: Tuesday, August 15, 2006 2:09 PM
To: jbarasz@blcompanies.com
Cc: Duhancik, Jill
Subject: RE: VOC - resubmittal

Carole,

Here you go I hope this is what you were looking for.

Regards,

Larry Decker
STL Connecticut

From: Duhancik, Jill
Sent: Tuesday, August 15, 2006 9:16 AM
To: Decker, Larry; Mercure, Patty
Subject: FW: VOC - resubmittal
Importance: High

Can you please take care of this request.
I attached the pages.
Thanks,
Jill

From: Tomlinsdqi2@aol.com [mailto:Tomlinsdqi2@aol.com]
Sent: Tuesday, August 15, 2006 10:13 AM
To: Duhancik, Jill
Cc: jbarasz@blcompanies.com
Subject: VOC - resubmittal

Hi Jill-

Could you please hand write the total xylene recoveries for the LCS samples on pages 45 and 46 of the STL Report 213204; scan/pdf and send back to me.....thanks Jill-

Carole

intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

QUALITY CONTROL RESULTS

Job Number.: 213204 — Report Date.: 07/12/2006

CUSTOMER: HL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B — Equipment Code....: MSN — Analyst...: lhd
Method Description.: Volatile Organics — Batch.....: 68172

LCS	Laboratory Control Sample	V06PWRK022	68058-002		06/30/2006	1108

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane, Solid	ug/Kg	23.130		20.000		116	%	52-137	
Vinyl chloride, Solid	ug/Kg	21.814		20.000		109	%	58-145	
Bromomethane, Solid	ug/Kg	24.764		20.000		124	%	10-242	
Chloroethane, Solid	ug/Kg	22.633		20.000		113	%	56-159	
1,1-Dichloroethene, Solid	ug/Kg	21.664		20.000		108	%	61-133	
Carbon disulfide, Solid	ug/Kg	16.445		20.000		82	%	23-149	
Acetone, Solid	ug/Kg	45.813		20.000		229	%	10-331	
Methylene chloride, Solid	ug/Kg	20.084		20.000		100	%	55-126	
trans-1,2-Dichloroethene, Solid	ug/Kg	20.946		20.000		105	%	57-127	
1,1-Dichloroethane, Solid	ug/Kg	21.837		20.000		109	%	65-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	22.036		20.000		110	%	63-121	
2-Butanone (MEK), Solid	ug/Kg	33.015		20.000		165	%	13-242	
Chloroform, Solid	ug/Kg	22.328		20.000		112	%	68-128	
1,1,1-Trichloroethane, Solid	ug/Kg	21.974		20.000		110	%	63-130	
Carbon tetrachloride, Solid	ug/Kg	21.005		20.000		105	%	62-135	
Benzene, Solid	ug/Kg	22.133		20.000		111	%	66-126	
1,2-Dichloroethane, Solid	ug/Kg	22.437		20.000		112	%	62-138	
Trichloroethene, Solid	ug/Kg	22.412		20.000		112	%	62-117	
1,2-Dichloropropane, Solid	ug/Kg	22.766		20.000		114	%	62-126	
Bromodichloromethane, Solid	ug/Kg	20.545		20.000		103	%	64-122	
cis-1,3-Dichloropropene, Solid	ug/Kg	21.521		20.000		108	%	44-112	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	23.422		20.000		117	%	21-205	
Toluene, Solid	ug/Kg	22.485		20.000		112	%	72-113	
trans-1,3-Dichloropropene, Solid	ug/Kg	22.748		20.000		114	%	41-133	
1,1,2-Trichloroethane, Solid	ug/Kg	21.666		20.000		108	%	63-123	
Tetrachloroethene, Solid	ug/Kg	20.622		20.000		103	%	66-122	
2-Hexanone, Solid	ug/Kg	25.565		20.000		128	%	10-249	
Dibromochloromethane, Solid	ug/Kg	19.590		20.000		98	%	68-117	
Chlorobenzene, Solid	ug/Kg	21.369		20.000		107	%	74-114	
Ethylbenzene, Solid	ug/Kg	21.646		20.000		108	%	74-117	
m&p-Xylenes, Solid	ug/Kg	44.108		40.000		110	%	73-116	
o-Xylene, Solid	ug/Kg	21.725		20.000		109	%	74-115	
Styrene, Solid	ug/Kg	21.358		20.000		107	%	72-114	
Bromoform, Solid	ug/Kg	18.813		20.000		94	%	51-117	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	20.974		20.000		105	%	59-124	
TOTAL XYLENE	ug/Kg	65.83		60.00		110	%		

8/15/06

Page 7 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 213204 Report Date.: 07/12/2006

CUSTOMER: EL COMPANIES PROJECT: BROOKLYN WHOLE FOODS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V06FWRK022	68088 -002		07/02/2006	1645

Test Method.....: 8260B Equipment Code....: MSN Analyst...: lhd
Method Description.: Volatile Organics Batch.....: 68173

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane, Solid	ug/Kg	21.414		20.000		107	%	52-137	
Vinyl chloride, Solid	ug/Kg	20.085		20.000		100	%	58-145	
Bromomethane, Solid	ug/Kg	21.771		20.000		109	%	10-242	
Chloroethane, Solid	ug/Kg	19.267		20.000		96	%	56-159	
1,1-Dichloroethene, Solid	ug/Kg	19.794		20.000		99	%	61-133	
Carbon disulfide, Solid	ug/Kg	15.357		20.000		77	%	23-149	
Acetone, Solid	ug/Kg	42.689		20.000		213	%	10-331	
Methylene chloride, Solid	ug/Kg	20.649		20.000		103	%	55-126	
trans-1,2-Dichloroethene, Solid	ug/Kg	19.488		20.000		97	%	57-127	
1,1-Dichloroethane, Solid	ug/Kg	19.886		20.000		99	%	65-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	20.509		20.000		103	%	63-121	
2-Butanone (MEK), Solid	ug/Kg	31.969		20.000		160	%	13-242	
Chloroform, Solid	ug/Kg	20.151		20.000		101	%	68-128	
1,1,1-Trichloroethane, Solid	ug/Kg	20.419		20.000		102	%	63-130	
Carbon tetrachloride, Solid	ug/Kg	19.419		20.000		97	%	62-135	
Benzene, Solid	ug/Kg	21.008		20.000		105	%	66-126	
1,2-Dichloroethane, Solid	ug/Kg	21.085		20.000		105	%	62-138	
Trichloroethene, Solid	ug/Kg	20.315		20.000		102	%	62-117	
1,2-Dichloropropane, Solid	ug/Kg	21.436		20.000		107	%	62-126	
Bromodichloromethane, Solid	ug/Kg	20.419		20.000		102	%	64-122	
cis-1,3-Dichloropropene, Solid	ug/Kg	20.677		20.000		103	%	44-112	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	22.568		20.000		113	%	21-205	
Toluene, Solid	ug/Kg	20.161		20.000		101	%	72-113	
trans-1,3-Dichloropropene, Solid	ug/Kg	20.751		20.000		104	%	41-133	
1,1,2-Trichloroethane, Solid	ug/Kg	20.941		20.000		105	%	63-123	
Tetrachloroethene, Solid	ug/Kg	18.723		20.000		94	%	66-122	
2-Hexanone, Solid	ug/Kg	25.663		20.000		128	%	10-249	
Dibromochloromethane, Solid	ug/Kg	19.309		20.000		97	%	68-117	
Chlorobenzene, Solid	ug/Kg	19.578		20.000		98	%	74-114	
Ethylbenzene, Solid	ug/Kg	19.725		20.000		99	%	74-117	
m&p-Xylenes, Solid	ug/Kg	39.479		40.000		99	%	73-116	
o-Xylene, Solid	ug/Kg	19.407		20.000		97	%	74-115	
Styrene, Solid	ug/Kg	19.589		20.000		98	%	72-114	
Bromoform, Solid	ug/Kg	19.516		20.000		98	%	51-117	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	20.163		20.000		101	%	59-124	
TOTAL XYLENE	ug/Kg	58.89		60.00		98	%		

8-15-06

Page 10 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Subj: **213204 BL BWF: Replacement pages for the Continuing Calibration Check**
Date: 8/16/2006 2:17:43 P.M. Eastern Standard Time
From: JDuhancik@stl-inc.com
To: Tomlinsdqi2@aol.com

From: Hoffman, Sally
Sent: Wednesday, August 16, 2006 1:57 PM
To: Duhancik, Jill
Subject: REplacement pages for the Continuing Calibration Check

<<A06-7577 replacement pages.pdf>>

Jill
Here are the additonal / replacememt pages for the cmpds for the calibration
The re-do on the entry for results based on new % solids calc. is being entered late today or tomorrow
I will revise the report then
Sally

Sally J. Hoffman
Project Manager
Severn Trent Laboratories, Inc.
10 Hazelwood Drive
Amherst, NY 14228
Direct: *716-504-9839*
Fax: *716-691-7991*
Inter-company *8-48-139*
Leaders in Environmental Testing

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SEMIVOLATILE 3RD ED: 50NG CONT
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A6I0001623-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Intrument ID: HP5973V Calibration Dates(s): 06/19/2006 06/19/2006

Calibration Times: 10:34 12:17

Lab File ID: RRF10 = V15389.RR RRF50 = V15388.RR
RRF80 = V15390.RR RRF120 = V15391.RR RRF160 = V15392.RR

COMPOUND		RRF10	RRF50	RRF80	RRF120	RRF160	AVG RRF	% RSD
Phenol	*	2.328	2.300	2.225	2.356	2.289	2.2990	2.100*
Bis(2-chloroethyl) ether		1.799	1.745	1.656	1.779	1.713	1.7380	3.200
2-Chlorophenol		1.569	1.516	1.444	1.540	1.470	1.5080	3.400
2-Methylphenol		1.450	1.454	1.388	1.477	1.428	1.4390	2.300
2,2'-Oxybis(1-Chloropropane		3.020	2.949	2.808	3.016	2.867	2.9320	3.200
4-Methylphenol		1.544	1.583	1.505	1.608	1.551	1.5580	2.500
N-Nitroso-Di-n-propylamine	#	1.379	1.394	1.343	1.421	1.363	1.3800	2.100#
Hexachloroethane		0.716	0.694	0.650	0.695	0.647	0.6800	4.500
Nitrobenzene		0.511	0.497	0.478	0.512	0.483	0.4960	3.200
Isophorone		0.869	0.881	0.850	0.917	0.866	0.8770	2.900
2-Nitrophenol	*	0.207	0.211	0.205	0.222	0.206	0.2100	3.200*
2,4-Dimethylphenol		0.401	0.405	0.392	0.424	0.392	0.4030	3.300
Bis(2-chloroethoxy) methane		0.521	0.515	0.493	0.522	0.494	0.5090	2.800
2,4-Dichlorophenol	*	0.330	0.333	0.320	0.344	0.321	0.3290	3.000*
Naphthalene		1.104	1.091	1.043	1.123	1.053	1.0830	3.100
4-Chloroaniline		0.444	0.460	0.435	0.468	0.432	0.4480	3.500
Hexachlorobutadiene	*	0.218	0.208	0.196	0.211	0.197	0.2060	4.600*
4-Chloro-3-methylphenol	*	0.341	0.355	0.344	0.372	0.348	0.3520	3.500*
2-Methylnaphthalene		0.765	0.771	0.727	0.780	0.741	0.7570	2.900
Hexachlorocyclopentadiene	#	0.312	0.365	0.359	0.392	0.375	0.3600	8.300#
2,4,6-Trichlorophenol	*	0.370	0.383	0.367	0.398	0.372	0.3780	3.400*
2,4,5-Trichlorophenol		0.394	0.417	0.400	0.431	0.404	0.4090	3.600
2-Chloronaphthalene		1.182	1.176	1.119	1.203	1.122	1.1600	3.200
2-Nitroaniline		0.391	0.423	0.413	0.449	0.417	0.4190	5.000
Dimethyl phthalate		1.397	1.372	1.321	1.414	1.322	1.3650	3.100
Acenaphthylene		1.857	1.819	1.757	1.896	1.778	1.8210	3.100
2,6-Dinitrotoluene		0.302	0.324	0.313	0.333	0.311	0.3170	3.800
3-Nitroaniline		0.318	0.347	0.332	0.358	0.336	0.3380	4.500
Acenaphthene	*	1.099	1.101	1.040	1.112	1.052	1.0810	3.000*
2,4-Dinitrophenol	#	0.079	0.114	0.149	0.167	0.186	0.1390	30.900#
4-Nitrophenol	#	0.197	0.217	0.208	0.230	0.216	0.2140	5.600#
Dibenzofuran		1.761	1.726	1.658	1.778	1.677	1.7200	3.000
2,4-Dinitrotoluene		0.437	0.446	0.425	0.459	0.427	0.4390	3.300
Diethyl phthalate		1.357	1.346	1.267	1.354	1.275	1.3200	3.400
4-Chlorophenyl phenyl ether		0.682	0.677	0.642	0.692	0.648	0.6680	3.300
Fluorene		1.368	1.396	1.330	1.445	1.361	1.3800	3.100
4-Nitroaniline		0.318	0.356	0.344	0.367	0.346	0.3460	5.200

SEMIVOLATILE 3RD ED: 50NG CONT
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A6I0001623-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Intrument ID: HP5973V Calibration Dates(s): 06/19/2006 06/19/2006

Calibration Times: 10:34 12:17

Lab File ID: RRF10 = V15389.RR RRF50 = V15388.RR
RRF80 = V15390.RR RRF120 = V15391.RR RRF160 = V15392.RR

COMPOUND		RRF10	RRF50	RRF80	RRF120	RRF160	AVG RRF	% RSD
4,6-Dinitro-2-methylphenol		0.114	0.135	0.150	0.164	0.159	0.1440	13.900
N-nitrosodiphenylamine	*	0.621	0.604	0.596	0.618	0.589	0.6060	2.300*
4-Bromophenyl phenyl ether		0.230	0.232	0.220	0.240	0.217	0.2280	4.200
Hexachlorobenzene		0.264	0.255	0.236	0.259	0.234	0.2500	5.500
Pentachlorophenol	*	0.155	0.214	0.159	0.170	0.161	0.1720	14.000*
Phenanthrene		1.336	1.279	1.212	1.331	1.218	1.2750	4.600
Anthracene		1.268	1.313	1.233	1.346	1.242	1.2800	3.800
Di-n-butyl phthalate		1.349	1.489	1.440	1.565	1.444	1.4580	5.400
Fluoranthene	*	1.418	1.476	1.401	1.552	1.422	1.4540	4.200*
Pyrene		1.323	1.370	1.273	1.392	1.319	1.3350	3.500
Butyl benzyl phthalate		0.589	0.630	0.584	0.640	0.596	0.6080	4.200
3,3'-Dichlorobenzidine		0.473	0.465	0.474	0.454	0.467	0.4660	1.700
Benzo(a)anthracene		1.325	1.361	1.265	1.381	1.286	1.3240	3.700
Chrysene		1.290	1.267	1.151	1.268	1.208	1.2370	4.600
Bis(2-ethylhexyl) phthalate		0.834	0.900	0.842	0.907	0.845	0.8660	4.000
Di-n-octyl phthalate	*	1.344	1.544	1.429	1.560	1.478	1.4710	6.000*
Benzo(b)fluoranthene		1.285	1.381	1.207	1.283	1.310	1.2930	4.800
Benzo(k)fluoranthene		1.350	1.196	1.240	1.349	1.125	1.2520	7.800
Benzo(a)pyrene	*	1.179	1.202	1.158	1.224	1.149	1.1820	2.600*
Indeno(1,2,3-cd)pyrene		1.273	1.277	1.273	1.357	1.294	1.2950	2.800
Dibenzo(a,h)anthracene		1.101	1.106	1.092	1.163	1.110	1.1140	2.500
Benzo(ghi)perylene		1.070	1.090	1.086	1.160	1.121	1.1050	3.200
Carbazole		1.172	1.198	1.148	1.255	1.165	1.1870	3.500
Nitrobenzene-D5		0.529	0.470	0.499	0.492	0.509	0.5000	4.300
2-Fluorobiphenyl		1.444	1.303	1.386	1.339	1.388	1.3720	3.900
p-Terphenyl-d14		0.995	0.920	0.939	0.927	0.972	0.9510	3.400
Phenol-D5		2.211	1.996	2.103	2.069	2.183	2.1120	4.100
2-Fluorophenol		1.598	1.479	1.539	1.521	1.589	1.5450	3.200
2,4,6-Tribromophenol		0.112	0.109	0.114	0.114	0.114	0.1130	1.800

Comments:

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SEMIVOLATILE 3RD ED: 50NG CONT
CONTINUING CALIBRATION CHECK

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6C0005297-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Lab File Id: V15690.RR Calibration Date: 07/05/2006 Time: 09:11

Intrument ID: HP5973V Init. Calib. Date(s): 06/19/2006 06/19/2006

Init. Calib. Times: 10:34 12:17

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Phenol	2.2990	2.2103	0.0500	3.900	20.00
Bis(2-chloroethyl) ether	1.7380	1.6474	0.0500	5.200	25.00
2-Chlorophenol	1.5080	1.4556	0.0500	3.500	25.00
2-Methylphenol	1.4390	1.3904	0.0500	3.400	25.00
2,2'-Oxybis(1-Chloropropane)	2.9320	3.0233	0.0500	-3.100	25.00
4-Methylphenol	1.5580	1.5174	0.0500	2.600	25.00
N-Nitroso-Di-n-propylamine	1.3800	1.3871	0.0500	-0.500	25.00
Hexachloroethane	0.6800	0.6796	0.0500	0.100	25.00
Nitrobenzene	0.4960	0.5128	0.0500	-3.400	25.00
Isophorone	0.8770	0.8911	0.0500	-1.600	25.00
2-Nitrophenol	0.2100	0.2049	0.0500	2.400	20.00
2,4-Dimethylphenol	0.4030	0.4064	0.0500	-0.800	25.00
Bis(2-chloroethoxy) methane	0.5090	0.4994	0.0500	1.900	25.00
2,4-Dichlorophenol	0.3290	0.3300	0.0500	-0.300	20.00
Naphthalene	1.0830	1.0550	0.0500	2.600	25.00
4-Chloroaniline	0.4480	0.4374	0.0500	2.400	25.00
Hexachlorobutadiene	0.2060	0.2131	0.0500	-3.400	20.00
4-Chloro-3-methylphenol	0.3520	0.3566	0.0500	-1.300	20.00
2-Methylnaphthalene	0.7570	0.7572	0.0500	0.000	25.00
Hexachlorocyclopentadiene	0.3600	0.3327	0.0500	7.600	25.00
2,4,6-Trichlorophenol	0.3780	0.3834	0.0500	-1.400	25.00
2,4,5-Trichlorophenol	0.4090	0.4075	0.0500	0.400	25.00
2-Chloronaphthalene	1.1600	1.1518	0.0500	0.700	25.00
2-Nitroaniline	0.4190	0.4500	0.0500	-7.400	25.00
Dimethyl phthalate	1.3650	1.3892	0.0500	-1.800	25.00
Acenaphthylene	1.8210	1.8003	0.0500	1.100	25.00
2,6-Dinitrotoluene	0.3170	0.3214	0.0500	-1.400	25.00
3-Nitroaniline	0.3380	0.3380	0.0500	0.000	25.00
Acenaphthene	1.0810	1.0964	0.0500	-1.400	20.00
2,4-Dinitrophenol	0.1390	0.1098	0.0500	21.000	40.00
4-Nitrophenol	0.2140	0.2266	0.0500	-5.900	40.00
Dibenzofuran	1.7200	1.7111	0.0500	0.500	25.00
2,4-Dinitrotoluene	0.4390	0.4492	0.0500	-2.300	25.00
Diethyl phthalate	1.3200	1.3836	0.0500	-4.800	25.00
4-Chlorophenyl phenyl ether	0.6680	0.6765	0.0500	-1.300	25.00
Fluorene	1.3800	1.3833	0.0500	-0.200	25.00
4-Nitroaniline	0.3460	0.3099	0.0500	10.400	25.00
4,6-Dinitro-2-methylphenol	0.1440	0.1388	0.0500	3.600	40.00
N-nitrosodiphenylamine	0.6060	0.5978	0.0500	1.400	20.00

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SEMIVOLATILE 3RD ED: 50NG CONT
CONTINUING CALIBRATION CHECK

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6C0005297-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Lab File Id: V15690.RR Calibration Date: 07/05/2006 Time: 09:11

Intrument ID: HP5973V Init. Calib. Date(s): 06/19/2006 06/19/2006

Init. Calib. Times: 10:34 12:17

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
4-Bromophenyl phenyl ether	0.2280	0.2235	0.0500	2.000	25.00
Hexachlorobenzene	0.2500	0.2425	0.0500	3.000	25.00
Pentachlorophenol	0.1720	0.1633	0.0500	5.100	20.00
Phenanthrene	1.2750	1.2658	0.0500	0.700	25.00
Anthracene	1.2800	1.2504	0.0500	2.300	25.00
Di-n-butyl phthalate	1.4580	1.4936	0.0500	-2.400	25.00
Fluoranthene	1.4540	1.4763	0.0500	-1.500	20.00
Pyrene	1.3350	1.2942	0.0500	3.100	25.00
Butyl benzyl phthalate	0.6080	0.6251	0.0500	-2.800	25.00
3,3'-Dichlorobenzidine	0.4660	0.5171	0.0500	-11.000	25.00
Benzo(a)anthracene	1.3240	1.3131	0.0500	0.800	25.00
Chrysene	1.2370	1.2198	0.0500	1.400	25.00
Bis(2-ethylhexyl) phthalate	0.8660	0.9050	0.0500	-4.500	25.00
Di-n-octyl phthalate	1.4710	1.5769	0.0500	-7.200	20.00
Benzo(b)fluoranthene	1.2930	1.2852	0.0500	0.600	25.00
Benzo(k)fluoranthene	1.2520	1.2622	0.0500	-0.800	40.00
Benzo(a)pyrene	1.1820	1.1848	0.0500	-0.200	20.00
Indeno(1,2,3-cd)pyrene	1.2950	1.2588	0.0500	2.800	25.00
Dibenzo(a,h)anthracene	1.1140	1.0757	0.0500	3.400	25.00
Benzo(ghi)perylene	1.1050	1.0448	0.0500	5.400	25.00
Carbazole	1.1870	1.1474	0.0500	3.300	100.00
Nitrobenzene-D5	0.5000	0.5167	0.0500	-3.300	25.00
2-Fluorobiphenyl	1.3720	1.4213	0.0500	-3.600	25.00
p-Terphenyl-d14	0.9510	0.9740	0.0500	-2.400	25.00
Phenol-D5	2.1120	2.0904	0.0500	1.000	25.00
2-Fluorophenol	1.5450	1.5351	0.0500	0.600	25.00
2,4,6-Tribromophenol	0.1130	0.1153	0.0500	-2.000	25.00

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SEMIVOLATILE 3RD ED: 50NG CONT
CONTINUING CALIBRATION CHECK

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6C0005297-2

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Lab File Id: V15691.RR Calibration Date: 07/05/2006 Time: 09:36

Intrument ID: HP5973V Init. Calib. Date(s): 05/17/2006 05/17/2006

Init. Calib. Times: 13:21 15:02

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Atrazine	0.2150	0.2005	0.0500	6.700	100.00
Caprolactam	0.1120	0.1060	0.0500	5.400	40.00
Acetophenone	2.2600	2.1615	0.0500	4.400	100.00
Biphenyl	1.6470	1.3589	0.0500	17.500	100.00
Benzaldehyde	1.5500	1.4562	0.0500	6.000	100.00

Subj: **BL Revisions**
Date: 8/18/2006 10:41:21 A.M. Eastern Standard Time
From: JDuhancik@stl-inc.com
To: Tomlinsdqi2@aol.com
CC: SHaydock@blcompanies.com

Carole,
Hopefully this is everything.
Let me know.
Regards,
Jill

From: Gonzalez, Daniel
Sent: Friday, August 18, 2006 10:17 AM
To: Duhancik, Jill
Subject: RE: BL Revisions

Jill,

Here are your revised pages. Let me know if you need anything else.

Thanks,
Dan

From: Duhancik, Jill
Sent: Thursday, August 17, 2006 4:23 PM
To: Gonzalez, Daniel
Cc: Hoffman, Sally
Subject: RE: BL Revisions

Just revised pages.
Thanks!!!

From: Gonzalez, Daniel
Sent: Thursday, August 17, 2006 4:18 PM
To: Duhancik, Jill
Cc: Hoffman, Sally
Subject: RE: BL Revisions

I spoke with the lab, the results should be updated today. I will make sure I get you the report tomorrow morning. Do you want just the revised pages or the entire report?

From: Duhancik, Jill
Sent: Thursday, August 17, 2006 3:58 PM
To: Gonzalez, Daniel
Cc: Hoffman, Sally
Subject: FW: BL Revisions

Dan,
Since Sally is out of the office, can you look into this for me?
Thanks,
Jill

From: Duhancik, Jill
Sent: Thursday, August 17, 2006 3:56 PM
To: Hoffman, Sally
Subject: BL Revisions

Do you know how the BL revisions are coming along?
This client needs to submit the report tomorrow.

Regards,
Jill

Jill Duhancik
Project Manager
STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
203 944 1319
Leaders in Environmental Testing

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

13/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	7100	U
208-96-8	Acenaphthylene	7100	U
98-86-2	Acetophenone	7100	U
120-12-7	Anthracene	7100	U
1912-24-9	Atrazine	7100	U
100-52-7	Benzaldehyde	7100	U
56-55-3	Benzo(a)anthracene	510	J
205-99-2	Benzo(b)fluoranthene	480	J
207-08-9	Benzo(k)fluoranthene	7100	U
191-24-2	Benzo(ghi)perylene	420	J
50-32-8	Benzo(a)pyrene	390	J
92-52-4	Biphenyl	7100	U
111-91-1	Bis(2-chloroethoxy) methane	7100	U
111-44-4	Bis(2-chloroethyl) ether	7100	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	7100	U
117-81-7	Bis(2-ethylhexyl) phthalate	7100	U
101-55-3	4-Bromophenyl phenyl ether	7100	U
85-68-7	Butyl benzyl phthalate	7100	U
105-60-2	Caprolactam	7100	U
106-47-8	4-Chloroaniline	7100	U
59-50-7	4-Chloro-3-methylphenol	7100	U
91-58-7	2-Chloronaphthalene	7100	U
95-57-8	2-Chlorophenol	7100	U
7005-72-3	4-Chlorophenyl phenyl ether	7100	U
86-74-8	Carbazole	7100	U
218-01-9	Chrysene	470	J
53-70-3	Dibenzo(a,h)anthracene	7100	U
132-64-9	Dibenzofuran	7100	U
84-74-2	Di-n-butyl phthalate	7100	U
91-94-1	3,3'-Dichlorobenzidine	34000	U
120-83-2	2,4-Dichlorophenol	7100	U
84-66-2	Diethyl phthalate	7100	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

14/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	7100	U
131-11-3	Dimethyl phthalate	7100	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
51-28-5	2,4-Dinitrophenol	34000	U
121-14-2	2,4-Dinitrotoluene	7100	U
606-20-2	2,6-Dinitrotoluene	7100	U
117-84-0	Di-n-octyl phthalate	7100	U
206-44-0	Fluoranthene	720	J
86-73-7	Fluorene	7100	U
118-74-1	Hexachlorobenzene	7100	U
87-68-3	Hexachlorobutadiene	7100	U
77-47-4	Hexachlorocyclopentadiene	7100	U
67-72-1	Hexachloroethane	7100	U
193-39-5	Indeno(1,2,3-cd)pyrene	7100	U
78-59-1	Isophorone	7100	U
91-57-6	2-Methylnaphthalene	7100	U
95-48-7	2-Methylphenol	7100	U
106-44-5	4-Methylphenol	1600	J
91-20-3	Naphthalene	7100	U
88-74-4	2-Nitroaniline	34000	U
99-09-2	3-Nitroaniline	34000	U
100-01-6	4-Nitroaniline	34000	U
98-95-3	Nitrobenzene	7100	U
88-75-5	2-Nitrophenol	7100	U
100-02-7	4-Nitrophenol	34000	U
86-30-6	N-nitrosodiphenylamine	7100	U
621-64-7	N-Nitroso-Di-n-propylamine	7100	U
87-86-5	Pentachlorophenol	34000	U
85-01-8	Phenanthrene	7100	U
108-95-2	Phenol	600	J
129-00-0	Pyrene	780	J
95-95-4	2,4,5-Trichlorophenol	17000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

15/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	7100	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

16/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77.1 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 57-10-3	N-HEXADECANOIC ACID	13.84	7400	JN
2. 60-33-3	(Z,Z)-9,12-OCTADECADIENOIC A	14.53	24000	JN
3.	UNKNOWN	14.56	57000	J
4.	UNKNOWN CHOLESTEN DERIVATIVE	17.69	9000	J
5.	UNKNOWN	17.85	3200	J

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

17/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	110000	
208-96-8	Acenaphthylene	39000	J
98-86-2	Acetophenone	80000	U
120-12-7	Anthracene	210000	
1912-24-9	Atrazine	80000	U
100-52-7	Benzaldehyde	80000	U
56-55-3	Benzo(a)anthracene	570000	
205-99-2	Benzo(b)fluoranthene	870000	
207-08-9	Benzo(k)fluoranthene	900000	
191-24-2	Benzo(ghi)perylene	250000	
50-32-8	Benzo(a)pyrene	510000	
92-52-4	Biphenyl	11000	J
111-91-1	Bis(2-chloroethoxy) methane	80000	U
111-44-4	Bis(2-chloroethyl) ether	80000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	80000	U
117-81-7	Bis(2-ethylhexyl) phthalate	80000	U
101-55-3	4-Bromophenyl phenyl ether	80000	U
85-68-7	Butyl benzyl phthalate	80000	U
105-60-2	Caprolactam	80000	U
106-47-8	4-Chloroaniline	80000	U
59-50-7	4-Chloro-3-methylphenol	80000	U
91-58-7	2-Chloronaphthalene	80000	U
95-57-8	2-Chlorophenol	80000	U
7005-72-3	4-Chlorophenyl phenyl ether	80000	U
86-74-8	Carbazole	150000	
218-01-9	Chrysene	520000	
53-70-3	Dibenzo(a,h)anthracene	81000	
132-64-9	Dibenzofuran	87000	
84-74-2	Di-n-butyl phthalate	80000	U
91-94-1	3,3'-Dichlorobenzidine	390000	U
120-83-2	2,4-Dichlorophenol	80000	U
84-66-2	Diethyl phthalate	80000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

18/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	80000	U
131-11-3	Dimethyl phthalate	80000	U
534-52-1	4,6-Dinitro-2-methylphenol	390000	U
51-28-5	2,4-Dinitrophenol	390000	U
121-14-2	2,4-Dinitrotoluene	80000	U
606-20-2	2,6-Dinitrotoluene	80000	U
117-84-0	Di-n-octyl phthalate	80000	U
206-44-0	Fluoranthene	1200000	
86-73-7	Fluorene	130000	
118-74-1	Hexachlorobenzene	80000	U
87-68-3	Hexachlorobutadiene	80000	U
77-47-4	Hexachlorocyclopentadiene	80000	U
67-72-1	Hexachloroethane	80000	U
193-39-5	Indeno(1,2,3-cd)pyrene	260000	
78-59-1	Isophorone	80000	U
91-57-6	2-Methylnaphthalene	59000	J
95-48-7	2-Methylphenol	80000	U
106-44-5	4-Methylphenol	80000	U
91-20-3	Naphthalene	170000	
88-74-4	2-Nitroaniline	390000	U
99-09-2	3-Nitroaniline	390000	U
100-01-6	4-Nitroaniline	390000	U
98-95-3	Nitrobenzene	80000	U
88-75-5	2-Nitrophenol	80000	U
100-02-7	4-Nitrophenol	390000	U
86-30-6	N-nitrosodiphenylamine	80000	U
621-64-7	N-Nitroso-Di-n-propylamine	80000	U
87-86-5	Pentachlorophenol	390000	U
85-01-8	Phenanthrene	1000000	
108-95-2	Phenol	80000	U
129-00-0	Pyrene	960000	
95-95-4	2,4,5-Trichlorophenol	190000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

19/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	80000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

20/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 19.7 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	90-12-0	1-METHYLNAPHTHALENE	9.74	55000	JN
2.	486-25-9	9H-FLUOREN-9-ONE	12.92	74000	JN
3.		UNKNOWN PAH	13.02	64000	J
4.		UNKNOWN PAH	13.72	130000	J
5.		UNKNOWN PAH	13.75	180000	J
6.		UNKNOWN PAH	13.80	56000	J
7.		UNKNOWN	13.83	230000	J
8.		UNKNOWN PAH	13.86	94000	J
9.	35465-71-5	2-PHENYLNAPHTHALENE	14.05	97000	JN
10.	84-65-1	9,10-ANTHRACENEDIONE	14.06	140000	JN
11.		UNKNOWN PAH	14.30	100000	J
12.		UNKNOWN	14.33	45000	J
13.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	14.38	100000	JN
14.		UNKNOWN	16.56	84000	J
15.		UNKNOWN PAH	16.79	100000	J
16.		UNKNOWN	16.87	75000	J
17.		UNKNOWN PAH	16.95	390000	J
18.		UNKNOWN PAH	17.99	60000	J
19.		UNKNOWN PAH	18.25	81000	J
20.		UNKNOWN PAH	18.60	96000	J

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

21/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.21 (g/mL) G Lab File ID: 19B60126.TX0

% Moisture: 77 decanted: (Y/N) N Date Samp/Recv: 06/30/2006 07/01/2006

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/03/2006

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	14	U
11104-28-2	Aroclor 1221	30	U
11141-16-5	Aroclor 1232	14	U
53469-21-9	Aroclor 1242	12	U
12672-29-6	Aroclor 1248	17	U
11097-69-1	Aroclor 1254	120	
11096-82-5	Aroclor 1260	180	

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

22/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.69 (g/mL) G Lab File ID: 19B60128.TX0

% Moisture: 20 decanted: (Y/N) N Date Samp/Recv: 06/30/2006 07/01/2006

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/03/2006

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	4.0	U
11104-28-2	Aroclor 1221	8.5	U
11141-16-5	Aroclor 1232	3.8	U
53469-21-9	Aroclor 1242	3.5	U
12672-29-6	Aroclor 1248	4.8	U
11097-69-1	Aroclor 1254	10	U
11096-82-5	Aroclor 1260	8.0	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

58/406
Client No.

PS-1

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	7100	U
208-96-8	Acenaphthylene	7100	U
98-86-2	Acetophenone	7100	U
120-12-7	Anthracene	7100	U
1912-24-9	Atrazine	7100	U
100-52-7	Benzaldehyde	7100	U
56-55-3	Benzo(a)anthracene	510	J
205-99-2	Benzo(b)fluoranthene	480	J
207-08-9	Benzo(k)fluoranthene	7100	U
191-24-2	Benzo(ghi)perylene	420	J
50-32-8	Benzo(a)pyrene	390	J
92-52-4	Biphenyl	7100	U
111-91-1	Bis(2-chloroethoxy) methane	7100	U
111-44-4	Bis(2-chloroethyl) ether	7100	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	7100	U
117-81-7	Bis(2-ethylhexyl) phthalate	7100	U
101-55-3	4-Bromophenyl phenyl ether	7100	U
85-68-7	Butyl benzyl phthalate	7100	U
105-60-2	Caprolactam	7100	U
106-47-8	4-Chloroaniline	7100	U
59-50-7	4-Chloro-3-methylphenol	7100	U
91-58-7	2-Chloronaphthalene	7100	U
95-57-8	2-Chlorophenol	7100	U
7005-72-3	4-Chlorophenyl phenyl ether	7100	U
86-74-8	Carbazole	7100	U
218-01-9	Chrysene	470	J
53-70-3	Dibenzo(a,h)anthracene	7100	U
132-64-9	Dibenzofuran	7100	U
84-74-2	Di-n-butyl phthalate	7100	U
91-94-1	3,3'-Dichlorobenzidine	34000	U
120-83-2	2,4-Dichlorophenol	7100	U
84-66-2	Diethyl phthalate	7100	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

59/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	7100	U
131-11-3	Dimethyl phthalate	7100	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
51-28-5	2,4-Dinitrophenol	34000	U
121-14-2	2,4-Dinitrotoluene	7100	U
606-20-2	2,6-Dinitrotoluene	7100	U
117-84-0	Di-n-octyl phthalate	7100	U
206-44-0	Fluoranthene	720	J
86-73-7	Fluorene	7100	U
118-74-1	Hexachlorobenzene	7100	U
87-68-3	Hexachlorobutadiene	7100	U
77-47-4	Hexachlorocyclopentadiene	7100	U
67-72-1	Hexachloroethane	7100	U
193-39-5	Indeno(1,2,3-cd)pyrene	7100	U
78-59-1	Isophorone	7100	U
91-57-6	2-Methylnaphthalene	7100	U
95-48-7	2-Methylphenol	7100	U
106-44-5	4-Methylphenol	1600	J
91-20-3	Naphthalene	7100	U
88-74-4	2-Nitroaniline	34000	U
99-09-2	3-Nitroaniline	34000	U
100-01-6	4-Nitroaniline	34000	U
98-95-3	Nitrobenzene	7100	U
88-75-5	2-Nitrophenol	7100	U
100-02-7	4-Nitrophenol	34000	U
86-30-6	N-nitrosodiphenylamine	7100	U
621-64-7	N-Nitroso-Di-n-propylamine	7100	U
87-86-5	Pentachlorophenol	34000	U
85-01-8	Phenanthrene	7100	U
108-95-2	Phenol	600	J
129-00-0	Pyrene	780	J
95-95-4	2,4,5-Trichlorophenol	17000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

60/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	7100	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

61/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77.1 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 57-10-3	N-HEXADECANOIC ACID	13.84	7400	JN
2. 60-33-3	(Z,Z)-9,12-OCTADECADIENOIC A	14.53	24000	JN
3.	UNKNOWN	14.56	57000	J
4.	UNKNOWN CHOLESTEN DERIVATIVE	17.69	9000	J
5.	UNKNOWN	17.85	3200	J

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

81/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	110000	
208-96-8	Acenaphthylene	39000	J
98-86-2	Acetophenone	80000	U
120-12-7	Anthracene	210000	
1912-24-9	Atrazine	80000	U
100-52-7	Benzaldehyde	80000	U
56-55-3	Benzo(a)anthracene	570000	
205-99-2	Benzo(b)fluoranthene	870000	
207-08-9	Benzo(k)fluoranthene	900000	
191-24-2	Benzo(ghi)perylene	250000	
50-32-8	Benzo(a)pyrene	510000	
92-52-4	Biphenyl	11000	J
111-91-1	Bis(2-chloroethoxy) methane	80000	U
111-44-4	Bis(2-chloroethyl) ether	80000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	80000	U
117-81-7	Bis(2-ethylhexyl) phthalate	80000	U
101-55-3	4-Bromophenyl phenyl ether	80000	U
85-68-7	Butyl benzyl phthalate	80000	U
105-60-2	Caprolactam	80000	U
106-47-8	4-Chloroaniline	80000	U
59-50-7	4-Chloro-3-methylphenol	80000	U
91-58-7	2-Chloronaphthalene	80000	U
95-57-8	2-Chlorophenol	80000	U
7005-72-3	4-Chlorophenyl phenyl ether	80000	U
86-74-8	Carbazole	150000	
218-01-9	Chrysene	520000	
53-70-3	Dibenzo(a,h)anthracene	81000	
132-64-9	Dibenzofuran	87000	
84-74-2	Di-n-butyl phthalate	80000	U
91-94-1	3,3'-Dichlorobenzidine	390000	U
120-83-2	2,4-Dichlorophenol	80000	U
84-66-2	Diethyl phthalate	80000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

82/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	80000	U
131-11-3	Dimethyl phthalate	80000	U
534-52-1	4,6-Dinitro-2-methylphenol	390000	U
51-28-5	2,4-Dinitrophenol	390000	U
121-14-2	2,4-Dinitrotoluene	80000	U
606-20-2	2,6-Dinitrotoluene	80000	U
117-84-0	Di-n-octyl phthalate	80000	U
206-44-0	Fluoranthene	1200000	
86-73-7	Fluorene	130000	
118-74-1	Hexachlorobenzene	80000	U
87-68-3	Hexachlorobutadiene	80000	U
77-47-4	Hexachlorocyclopentadiene	80000	U
67-72-1	Hexachloroethane	80000	U
193-39-5	Indeno(1,2,3-cd)pyrene	260000	
78-59-1	Isophorone	80000	U
91-57-6	2-Methylnaphthalene	59000	J
95-48-7	2-Methylphenol	80000	U
106-44-5	4-Methylphenol	80000	U
91-20-3	Naphthalene	170000	
88-74-4	2-Nitroaniline	390000	U
99-09-2	3-Nitroaniline	390000	U
100-01-6	4-Nitroaniline	390000	U
98-95-3	Nitrobenzene	80000	U
88-75-5	2-Nitrophenol	80000	U
100-02-7	4-Nitrophenol	390000	U
86-30-6	N-nitrosodiphenylamine	80000	U
621-64-7	N-Nitroso-Di-n-propylamine	80000	U
87-86-5	Pentachlorophenol	390000	U
85-01-8	Phenanthrene	1000000	
108-95-2	Phenol	80000	U
129-00-0	Pyrene	960000	
95-95-4	2,4,5-Trichlorophenol	190000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

83/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	80000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

84/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 19.7 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	90-12-0	1-METHYLNAPHTHALENE	9.74	55000	JN
2.	486-25-9	9H-FLUOREN-9-ONE	12.92	74000	JN
3.		UNKNOWN PAH	13.02	64000	J
4.		UNKNOWN PAH	13.72	130000	J
5.		UNKNOWN PAH	13.75	180000	J
6.		UNKNOWN PAH	13.80	56000	J
7.		UNKNOWN	13.83	230000	J
8.		UNKNOWN PAH	13.86	94000	J
9.	35465-71-5	2-PHENYLNAPHTHALENE	14.05	97000	JN
10.	84-65-1	9,10-ANTHRACENEDIONE	14.06	140000	JN
11.		UNKNOWN PAH	14.30	100000	J
12.		UNKNOWN	14.33	45000	J
13.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	14.38	100000	JN
14.		UNKNOWN	16.56	84000	J
15.		UNKNOWN PAH	16.79	100000	J
16.		UNKNOWN	16.87	75000	J
17.		UNKNOWN PAH	16.95	390000	J
18.		UNKNOWN PAH	17.99	60000	J
19.		UNKNOWN PAH	18.25	81000	J
20.		UNKNOWN PAH	18.60	96000	J

Job Number	Sample I.D.	Vial Number	Analysis Date	Analyst	Product Test Abreviation	Dish Weight (g)	Wet + Dish	Dry + Dish	Wet Weight	Dry Weight	% Dry	Decanted
A06-7577	A6757701	A-60027362	08/16/2006		TCL SVOS	1.29	7.67	2.75	6.38	1.46	22.88	N
A06-7577	A6757702	A-60027363	08/16/2006		TCL SVOS	1.29	6.07	5.13	4.78	3.84	80.33	N

184/406

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

200/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.21 (g/mL) G Lab File ID: 19B60126.TX0

% Moisture: 77 decanted: (Y/N) N Date Samp/Recv: 06/30/2006 07/01/2006

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/03/2006

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	14	U
11104-28-2	Aroclor 1221	30	U
11141-16-5	Aroclor 1232	14	U
53469-21-9	Aroclor 1242	12	U
12672-29-6	Aroclor 1248	17	U
11097-69-1	Aroclor 1254	120	
11096-82-5	Aroclor 1260	180	

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

207/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.69 (g/mL) G Lab File ID: 19B60128.TX0

% Moisture: 20 decanted: (Y/N) N Date Samp/Recv: 06/30/2006 07/01/2006

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/03/2006

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	4.0	U
11104-28-2	Aroclor 1221	8.5	U
11141-16-5	Aroclor 1232	3.8	U
53469-21-9	Aroclor 1242	3.5	U
12672-29-6	Aroclor 1248	4.8	U
11097-69-1	Aroclor 1254	10	U
11096-82-5	Aroclor 1260	8.0	U

Job Number	Sample I.D.	Vial Number	Analysis Date	Analyst	Product Test Abreviation	Dish Weight (g)	Wet + Dish	Dry + Dish	Wet Weight	Dry Weight	% Dry	Decanted
A06-7577	A6757701	AS60027357	08/16/2006		PCBS	1.29	7.67	2.75	6.38	1.46	22.88	N
A06-7577	A6757702	AS60027358	08/16/2006		PCBS	1.29	6.07	5.13	4.78	3.84	80.33	N

Subj: **Re: STL CT % Solids for 213204**
Date: 8/18/2006 11:17:20 A.M. Eastern Standard Time
From: Tomlinsdqi2
To: JDuhancik@stl-inc.com

Jill-

Any batch QC?

Carole

Subj: **explanation**
Date: 8/18/2006 11:24:23 A.M. Eastern Standard Time
From: Tomlinsdqi2
To: jduhancik@stl-inc.com
CC: jbarasz@blcompanies.com

Hi Jill-

Just sent you an email.....regarding our conversation the other day, could you please address the issue regarding "batch QC" - the NYSDEC will probably comment if I do not address it in my report.

Thanks Jill-

Carole

Subj: **RE: explanation**
Date: 8/18/2006 11:26:01 A.M. Eastern Standard Time
From: JDuhancik@stl-inc.com
To: Tomlinsdqi2@aol.com
CC: jbarasz@blcompanies.com

Yes, I have a call in with Buffalo.
Will keep you posted.

From: Tomlinsdqi2@aol.com [mailto:Tomlinsdqi2@aol.com]
Sent: Friday, August 18, 2006 11:24 AM
To: Duhancik, Jill
Cc: jbarasz@blcompanies.com
Subject: explanation

Hi Jill-

Just sent you an email.....regarding our conversation the other day, could you please address the issue regarding "batch QC" - the NYSDEC will probably comment if I do not address it in my report.

Thanks Jill-

Carole

Subj: **qc: 213204 BL Revisions**
Date: 8/18/2006 1:04:36 P.M. Eastern Standard Time
From: JDuhancik@stl-inc.com
To: Tomlinsdqi2@aol.com

Carole,
Let me know if this is what you need for Batch QC.
Thanks,
Jill

Appendix A

Date: 08/18/2006 12:14:42
Batch No: A6822164

MS/MSD Batch QC Results

Dept: AN1392

Lab Sample ID: A6757403 A6757403MS A6757403SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
DELTA - SOIL-ASP00 8082 - PCBS												
Aroclor 1260	UG/KG	419	903	2429	346	1705	140 *	118	129	17	35.0	41-139
Aroclor 1016	UG/KG	0	1741	3318	346	1705	502 *	194 *	348	88 *	35.0	39-131

2/3

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

Date: 08/18/2006 12:19:23
Batch No: A6B22165

MS/MSD Batch QC Results

Dept: AN1392

Lab Sample ID: A6751801 A6751801MS A6751801SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS												
Phenol	UG/KG	0	2705	2689	3639	3608	74	74	74	0	25.0	34-120
2-Chlorophenol	UG/KG	0	2761	2853	3639	3608	76	79	78	4	26.0	37-120
N-Nitroso-Di-n-propylamine	UG/KG	0	2390	2653	3639	3608	66	74	70	11	20.0	46-120
4-Chloro-3-methylphenol	UG/KG	0	2114	2239	3639	3608	58	62	60	7	20.0	50-120
Acenaphthene	UG/KG	0	3622	3868	3639	3608	100	107	104	7	16.0	48-120
4-Nitrophenol	UG/KG	0	0	0	3639	3608	0 *	0 *	0	0	25.0	35-132
2,4-Dinitrotoluene	UG/KG	0	1202	1312	3639	3608	33 *	36 *	35	9	19.0	38-122
Pentachlorophenol	UG/KG	0	0	0	3639	3608	0 *	0 *	0	0	27.0	40-128
Pyrene	UG/KG	0	3654	4326	3639	3608	100	120	110	18	25.0	41-138

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Sonah –

8/18/04

VOC/metals validated for I data

Carla

203-630-2615

11 pages

Acetone = $\frac{6.117 \times 10}{.165} = 370.15$

MC = $\frac{2.652 \times 10}{.165} = 160.73$

5

STL Connecticut

LABORATORY TEST RESULTS

Job Number: 213204 — Date:07/12/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	16.5			0.10	0.10	1	%	68101		07/03/06 0000	xlm
	% Moisture, Solid	83.5			0.10	0.10	1	%	68101		07/03/06 0000	xlm
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND		UJ	7.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloromethane, Solid*	ND		UJ	5.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Vinyl chloride, Solid*	ND		UJ	5.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromomethane, Solid*	ND		UJ	5.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloroethane, Solid*	ND		UJ	11	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Trichlorofluoromethane, Solid*	ND		UJ	3.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1-Dichloroethene, Solid*	ND		UJ	6.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Carbon disulfide, Solid*	12		J	3.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Acetone, Solid*	210		B J	19	120	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Methylene chloride, Solid*	120 ~~23~~		B J	13	120	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	trans-1,2-Dichloroethene, Solid*	ND		UJ	3.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Methyl-tert-butyl-ether (MTBE), Solid*	ND		UJ	5.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1-Dichloroethane, Solid*	ND		UJ	4.9	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Vinyl acetate, Solid*	ND		UJ	16	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	cis-1,2-Dichloroethene, Solid*	ND		UJ	6.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	2-Butanone (MEK), Solid*	ND		UJ	11	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chloroform, Solid*	ND		UJ	3.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,1-Trichloroethane, Solid*	ND		UJ	5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Carbon tetrachloride, Solid*	ND		UJ	4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Benzene, Solid*	ND		UJ	5.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichloroethane, Solid*	ND		UJ	6.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Trichloroethene, Solid*	ND		UJ	4.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichloropropane, Solid*	ND		UJ	6.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromodichloromethane, Solid*	ND		UJ	5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd

* In Description = Dry Wgt.

Tol = $\frac{0.887 \times 5}{.165} = 26.88$

L

LABORATORY TEST RESULTS

Job Number: 213204 Date:07/12/2006

CUSTOMER: EL COMPANIES PROJECT: BROOKLYN WHOLE FOODS ATTN: Nick Teacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloroethylvinylether, Solid*	ND	U	R	8.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U	UJ	4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U	UJ	7.2	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Toluene, Solid*	340		B J	5.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U	UJ	5.6	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		6.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Tetrachloroethene, Solid*	ND	U		4.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	2-Hexanone, Solid*	ND	U	UJ	15	61	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Dibromochloromethane, Solid*	ND	U	UJ	2.5	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Chlorobenzene, Solid*	ND	U		4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Ethylbenzene, Solid*	ND	U		4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	m&p-Xylenes, Solid*	ND	U		8.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	o-Xylene, Solid*	ND	U		4.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Styrene, Solid*	ND	U		6.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Bromoform, Solid*	ND	U	UJ	6.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Isopropylbenzene, Solid*	ND	U	UJ	6.1	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		7.3	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	n-Propylbenzene, Solid*	ND	U		4.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,3,5-Trimethylbenzene, Solid*	ND	U		5.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	tert-Butylbenzene, Solid*	ND	U		4.2	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2,4-Trimethylbenzene, Solid*	ND	U		3.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	sec-Butylbenzene, Solid*	ND	U		5.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,3-Dichlorobenzene, Solid*	ND	U		8.7	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	p-Isopropyltoluene, Solid*	ND	U		5.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,4-Dichlorobenzene, Solid*	ND	U		7.0	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	n-Butylbenzene, Solid*	ND	U		4.9	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	1,2-Dichlorobenzene, Solid*	ND	U		5.4	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd
	Naphthalene, Solid*	25	J	J	4.8	30	1.00000	ug/Kg	68172		06/30/06 1716	lhd

* In Description = Dry Wgt.

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

PS-1

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: 213204-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N7052

Level: (low/med) LOW Date Received: 06/30/06

% Moisture: not dec. 84 Date Analyzed: 06/30/06

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	109-66-0	PENTANE	1.62	54	NJ/JN
2.	592-13-2	HEXANE, 2,5-DIMETHYL-	5.80	78	NJ
3.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	10.53	37	NJ
4.	99-87-6	BENZENE, 1-METHYL-4-(1-METHY	10.93	58	NJ
5.		UNKNOWN ALKYLBENZENE	11.28	51	J
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
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FORM I VOA-TIC

LABORATORY TEST RESULTS

Job Number: 213204 — Date: 07/12/2006

CUSTOMER: EL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid >80% ✓	84.9			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid	15.1			0.10	0.10	1	%	68101		07/03/06 0000	rlm
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U	UJ	1.5	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloromethane, Solid*	ND	U	UJ	1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Vinyl chloride, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromomethane, Solid*	ND	U	UJ	0.97	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloroethane, Solid*	ND	U		2.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Trichlorofluoromethane, Solid*	ND	U		0.71	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.3	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Carbon disulfide, Solid*	ND	U		0.72	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Acetone, Solid*	24 ~~4.2~~	J	B J UJ	3.7	24	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Methylene chloride, Solid*	24 ~~22~~	J	B J UJ	2.6	24	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.68	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.95	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Vinyl acetate, Solid*	ND	U	UJ	3.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	2-Butanone (MEK), Solid*	ND	U	UJ	2.1	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chloroform, Solid*	ND	U		0.62	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Carbon tetrachloride, Solid*	ND	U		0.92	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Benzene, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Trichloroethene, Solid*	ND	U		0.80	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromodichloromethane, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd

* In Description = Dry Wgt.

STL Connecticut

Job Number: 213204

LABORATORY TEST RESULTS

Date:07/12/2006

CUSTOMER: EL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloroethylvinylether, Solid*	ND	~~U~~	~~R~~	1.6	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.92	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.4	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Toluene, Solid*	ND	U		0.99	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Tetrachloroethene, Solid*	ND	U		0.82	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	2-Hexanone, Solid*	ND	~~U~~	UJ	3.0	12	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Dibromochloromethane, Solid*	ND	U		0.48	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Chlorobenzene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Ethylbenzene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	m&p-Xylenes, Solid*	ND	U		1.6	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	o-Xylene, Solid*	ND	U		0.91	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Styrene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Bromoform, Solid*	ND	~~U~~	UJ	1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Isopropylbenzene, Solid*	ND	U		1.2	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	n-Propylbenzene, Solid*	ND	U		0.86	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,3,5-Trimethylbenzene, Solid*	ND	U		0.98	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	tert-Butylbenzene, Solid*	ND	U		0.82	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2,4-Trimethylbenzene, Solid*	ND	U		0.72	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	sec-Butylbenzene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,3-Dichlorobenzene, Solid*	ND	U		1.7	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	p-Isopropyltoluene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,4-Dichlorobenzene, Solid*	ND	U		1.4	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	n-Butylbenzene, Solid*	ND	U		0.95	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	1,2-Dichlorobenzene, Solid*	ND	U		1.0	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd
	Naphthalene, Solid*	ND	U		0.93	5.9	1.00000	ug/Kg	68173		07/02/06 1747	lhd

* In Description = Dry Wgt.

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

PS-2

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: 213204-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N7066

Level: (low/med) LOW Date Received: 06/30/06

% Moisture: not dec. 15 Date Analyzed: 07/02/06

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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7.					
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9.					
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29.					
30.					

FORM I VOA-TIC

STL Connecticut

LABORATORY TEST RESULTS

Job Number: 213204

Date: 07/11/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

1x

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid (250%)	16.5			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid	83.5			0.10	0.10	1	%	68101		07/03/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.72		J	0.063	0.21	1.0000	mg/Kg	68178		07/05/06 1340	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4810		J	93.5	1210	1	mg/Kg	68269		07/06/06 1942	nnp
	Antimony, Solid*	ND		UN UJ	5.3	54.7	1	mg/Kg	68269		07/06/06 1942	nnp
	Arsenic, Solid*	69.4		J	5.7	37.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Barium, Solid*	421		J	0.86	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Beryllium, Solid*	ND		UN UJ	2.3	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Cadmium, Solid*	7.4		B J	4.7	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Calcium, Solid*	14900		J	54.2	397	1	mg/Kg	68269		07/06/06 1942	nnp
	Chromium, Solid*	68.8			1.6	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Cobalt, Solid*	24.3			2.0	9.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Copper, Solid*	365			3.7	23.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Iron, Solid*	180000			47.7	678	1	mg/Kg	68269		07/06/06 1942	nnp
	Lead, Solid*	751			3.6	42.1	1	mg/Kg	68269		07/06/06 1942	nnp
	Magnesium, Solid*	8810			43.0	164	1	mg/Kg	68269		07/06/06 1942	nnp
	Manganese, Solid*	15600			3.0	11.7	1	mg/Kg	68269		07/06/06 1942	nnp
	Nickel, Solid*	113			2.1	23.4	1	mg/Kg	68269		07/06/06 1942	nnp
	Potassium, Solid*	2750			187	935	1	mg/Kg	68269		07/06/06 1942	nnp
	Selenium, Solid*	8.6		B	7.5	74.8	1	mg/Kg	68269		07/06/06 1942	nnp
	Silver, Solid*	ND		UN UJ	1.5	14.0	1	mg/Kg	68269		07/06/06 1942	nnp
	Sodium, Solid*	19400		J	93.5	440	1	mg/Kg	68269		07/06/06 1942	nnp
	Thallium, Solid*	19.8		B	19.5	93.5	1	mg/Kg	68269		07/06/06 1942	nnp
	Vanadium, Solid*	78.9		J	1.7	18.7	1	mg/Kg	68269		07/06/06 1942	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213204

Date:07/11/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsecoyannis

Customer Sample ID: PS-1
Date Sampled.....: 06/30/2006
Time Sampled.....: 06:50
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-2
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	1610		J	17.8	93.5	1	mg/Kg	68269		07/06/06 1942	nnp

* In Description = Dry Wgt.

STL Connecticut

Job Number: 213204

LABORATORY TEST RESULTS

Date:07/11/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

1x

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid 78%	84.9			0.10	0.10	1	%	68101		07/03/06 0000	rlm
	% Moisture, Solid	15.1			0.10	0.10	1	%	68101		07/03/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.80			0.016	0.052	1.0000	mg/Kg	68178		07/05/06 1341	mnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6950			21.3	275	1	mg/Kg	68269		07/06/06 1948	mnp
	Antimony, Solid*	1.8	B	N	1.2	12.5	1	mg/Kg	68269		07/06/06 1948	mnp
	Arsenic, Solid*	32.9			1.3	8.5	1	mg/Kg	68269		07/06/06 1948	mnp
	Barium, Solid*	412			0.20	2.1	1	mg/Kg	68269		07/06/06 1948	mnp
	Beryllium, Solid*	0.91	B	N	0.53	2.1	1	mg/Kg	68269		07/06/06 1948	mnp
	Cadmium, Solid*	4.5			1.1	3.2	1	mg/Kg	68269		07/06/06 1948	mnp
	Calcium, Solid*	26900		*	12.4	90.7	1	mg/Kg	68269		07/06/06 1948	mnp
	Chromium, Solid*	37.2			0.36	3.2	1	mg/Kg	68269		07/06/06 1948	mnp
	Cobalt, Solid*	7.0			0.45	2.1	1	mg/Kg	68269		07/06/06 1948	mnp
	Copper, Solid*	212			0.85	5.3	1	mg/Kg	68269		07/06/06 1948	mnp
	Iron, Solid*	15900			10.9	155	1	mg/Kg	68269		07/06/06 1948	mnp
	Lead, Solid*	710			0.81	9.6	1	mg/Kg	68269		07/06/06 1948	mnp
	Magnesium, Solid*	3990			9.8	37.3	1	mg/Kg	68269		07/06/06 1948	mnp
	Manganese, Solid*	231		*	0.68	2.7	1	mg/Kg	68269		07/06/06 1948	mnp
	Nickel, Solid*	28.3			0.47	5.3	1	mg/Kg	68269		07/06/06 1948	mnp
	Potassium, Solid*	861		N	42.7	213	1	mg/Kg	68269		07/06/06 1948	mnp
	Selenium, Solid*	3.7	B		1.7	17.1	1	mg/Kg	68269		07/06/06 1948	mnp
	Silver, Solid*	1.1	B		0.34	3.2	1	mg/Kg	68269		07/06/06 1948	mnp
	Sodium, Solid*	520		N	21.3	100	1	mg/Kg	68269		07/06/06 1948	mnp
	Thallium, Solid*	ND		U FJ	4.4	21.3	1	mg/Kg	68269		07/06/06 1948	mnp
	Vanadium, Solid*	58.5			0.38	4.3	1	mg/Kg	68269		07/06/06 1948	mnp

* In Description = Dry Wgt.

STL Connecticut

Job Number: 213204

LABORATORY TEST RESULTS

Date:07/11/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN: Nick Tsacoyannis

Customer Sample ID: PS-2
Date Sampled.....: 06/30/2006
Time Sampled.....: 07:40
Sample Matrix.....: Soil

Laboratory Sample ID: 213204-3
Date Received.....: 06/30/2006
Time Received.....: 12:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	977		N	4.1	21.3	1	mg/Kg	68269		07/06/06 1948	mnp

* In Description = Dry Wgt.

8/15/04

Jonah -

SVOC/PCB validated 6-I

data

Carole

203-630-2615

Bobby Whitfords

11 pages

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

13/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	7100	U UJ
208-96-8	Acenaphthylene	7100	U
98-86-2	Acetophenone	7100	U
120-12-7	Anthracene	7100	U
1912-24-9	Atrazine	7100	U
100-52-7	Benzaldehyde	7100	U
56-55-3	Benzo(a)anthracene	510	J
205-99-2	Benzo(b)fluoranthene	480	J
207-08-9	Benzo(k)fluoranthene	7100	U UJ
191-24-2	Benzo(ghi)perylene	420	J
50-32-8	Benzo(a)pyrene	390	J
92-52-4	Biphenyl	7100	U UJ
111-91-1	Bis(2-chloroethoxy) methane	7100	U
111-44-4	Bis(2-chloroethyl) ether	7100	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	7100	U
117-81-7	Bis(2-ethylhexyl) phthalate	7100	U
101-55-3	4-Bromophenyl phenyl ether	7100	U
85-68-7	Butyl benzyl phthalate	7100	U
105-60-2	Caprolactam	7100	U
106-47-8	4-Chloroaniline	7100	U
59-50-7	4-Chloro-3-methylphenol	7100	U
91-58-7	2-Chloronaphthalene	7100	U
95-57-8	2-Chlorophenol	7100	U
7005-72-3	4-Chlorophenyl phenyl ether	7100	U
86-74-8	Carbazole	7100	U
218-01-9	Chrysene	470	J
53-70-3	Dibenzo(a,h)anthracene	7100	U UJ
132-64-9	Dibenzofuran	7100	U
84-74-2	Di-n-butyl phthalate	7100	U
91-94-1	3,3'-Dichlorobenzidine	34000	U
120-83-2	2,4-Dichlorophenol	7100	U
84-66-2	Diethyl phthalate	7100	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

14/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	7100	U UJ
131-11-3	Dimethyl phthalate	7100	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
51-28-5	2,4-Dinitrophenol	34000	U
121-14-2	2,4-Dinitrotoluene	7100	U
606-20-2	2,6-Dinitrotoluene	7100	U
117-84-0	Di-n-octyl phthalate	7100	U
206-44-0	Fluoranthene	720	J
86-73-7	Fluorene	7100	U UJ
118-74-1	Hexachlorobenzene	7100	U
87-68-3	Hexachlorobutadiene	7100	U
77-47-4	Hexachlorocyclopentadiene	7100	U
67-72-1	Hexachloroethane	7100	U
193-39-5	Indeno(1,2,3-cd)pyrene	7100	U
78-59-1	Isophorone	7100	U
91-57-6	2-Methylnaphthalene	7100	U
95-48-7	2-Methylphenol	7100	U
106-44-5	4-Methylphenol	1600	J
91-20-3	Naphthalene	7100	U UJ
88-74-4	2-Nitroaniline	34000	U
99-09-2	3-Nitroaniline	34000	U
100-01-6	4-Nitroaniline	34000	U
98-95-3	Nitrobenzene	7100	U
88-75-5	2-Nitrophenol	7100	U
100-02-7	4-Nitrophenol	34000	U
86-30-6	N-nitrosodiphenylamine	7100	U
621-64-7	N-Nitroso-Di-n-propylamine	7100	U
87-86-5	Pentachlorophenol	34000	U
85-01-8	Phenanthrene	7100	U
108-95-2	Phenol	600	J
129-00-0	Pyrene	780	J
95-95-4	2,4,5-Trichlorophenol	17000	U UJ

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

15/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	7100	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

16/406
Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V15708.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 77.1 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 57-10-3	N-HEXADECANOIC ACID	13.84	7400	JN
2. 60-33-3	(Z,Z)-9,12-OCTADECADIENOIC A	14.53	24000	JN
3.	UNKNOWN	14.56	57000	J
4.	UNKNOWN CHOLESTEN DERIVATIVE	17.69	9000	J
5.	UNKNOWN	17.85	3200	J

FORM IF - GC/MS SVOA TIC

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

17/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	110000	
208-96-8	Acenaphthylene	39000	J
98-86-2	Acetophenone	80000	U
120-12-7	Anthracene	210000	
1912-24-9	Atrazine	80000	U
100-52-7	Benzaldehyde	80000	U
56-55-3	Benzo(a)anthracene	570000	
205-99-2	Benzo(b)fluoranthene	870000	
207-08-9	Benzo(k)fluoranthene	900000	
191-24-2	Benzo(ghi)perylene	250000	
50-32-8	Benzo(a)pyrene	510000	
92-52-4	Biphenyl	11000	J
111-91-1	Bis(2-chloroethoxy) methane	80000	U
111-44-4	Bis(2-chloroethyl) ether	80000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	80000	U
117-81-7	Bis(2-ethylhexyl) phthalate	80000	U
101-55-3	4-Bromophenyl phenyl ether	80000	U
85-68-7	Butyl benzyl phthalate	80000	U
105-60-2	Caprolactam	80000	U
106-47-8	4-Chloroaniline	80000	U
59-50-7	4-Chloro-3-methylphenol	80000	U
91-58-7	2-Chloronaphthalene	80000	U
95-57-8	2-Chlorophenol	80000	U
7005-72-3	4-Chlorophenyl phenyl ether	80000	U
86-74-8	Carbazole	150000	
218-01-9	Chrysene	520000	
53-70-3	Dibenzo(a,h)anthracene	81000	
132-64-9	Dibenzofuran	87000	
84-74-2	Di-n-butyl phthalate	80000	U
91-94-1	3,3'-Dichlorobenzidine	390000	U
120-83-2	2,4-Dichlorophenol	80000	U
84-66-2	Diethyl phthalate	80000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

18/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	80000	U
131-11-3	Dimethyl phthalate	80000	U
534-52-1	4,6-Dinitro-2-methylphenol	390000	U
51-28-5	2,4-Dinitrophenol	390000	UJ
121-14-2	2,4-Dinitrotoluene	80000	U
606-20-2	2,6-Dinitrotoluene	80000	U
117-84-0	Di-n-octyl phthalate	80000	U
206-44-0	Fluoranthene	1200000	
86-73-7	Fluorene	130000	
118-74-1	Hexachlorobenzene	80000	U
87-68-3	Hexachlorobutadiene	80000	U
77-47-4	Hexachlorocyclopentadiene	80000	U
67-72-1	Hexachloroethane	80000	U
193-39-5	Indeno(1,2,3-cd)pyrene	260000	
78-59-1	Isophorone	80000	U
91-57-6	2-Methylnaphthalene	59000	J
95-48-7	2-Methylphenol	80000	U
106-44-5	4-Methylphenol	80000	U
91-20-3	Naphthalene	170000	
88-74-4	2-Nitroaniline	390000	U
99-09-2	3-Nitroaniline	390000	U
100-01-6	4-Nitroaniline	390000	U
98-95-3	Nitrobenzene	80000	U
88-75-5	2-Nitrophenol	80000	U
100-02-7	4-Nitrophenol	390000	U
86-30-6	N-nitrosodiphenylamine	80000	U
621-64-7	N-Nitroso-Di-n-propylamine	80000	U
87-86-5	Pentachlorophenol	390000	U
85-01-8	Phenanthrene	1000000	
108-95-2	Phenol	80000	U
129-00-0	Pyrene	960000	
95-95-4	2,4,5-Trichlorophenol	190000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

19/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 20 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	80000	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

20/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.80 (g/mL) G Lab File ID: V15709.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2006 07/01/2006

% Moisture: 19.7 decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 20000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	90-12-0	1-METHYLNAPHTHALENE	9.74	55000	JN
2.	486-25-9	9H-FLUOREN-9-ONE	12.92	74000	JN
3.		UNKNOWN PAH	13.02	64000	J
4.		UNKNOWN PAH	13.72	130000	J
5.		UNKNOWN PAH	13.75	180000	J
6.		UNKNOWN PAH	13.80	56000	J
7.		UNKNOWN	13.83	230000	J
8.		UNKNOWN PAH	13.86	94000	J
9.	35465-71-5	2-PHENYLNAPHTHALENE	14.05	97000	JN
10.	84-65-1	9,10-ANTHRACENEDIONE	14.06	140000	JN
11.		UNKNOWN PAH	14.30	100000	J
12.		UNKNOWN	14.33	45000	J
13.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	14.38	100000	JN
14.		UNKNOWN	16.56	84000	J
15.		UNKNOWN PAH	16.79	100000	J
16.		UNKNOWN	16.87	75000	J
17.		UNKNOWN PAH	16.95	390000	J
18.		UNKNOWN PAH	17.99	60000	J
19.		UNKNOWN PAH	18.25	81000	J
20.		UNKNOWN PAH	18.60	96000	J

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

200/406

Client No.

PS-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757701

Sample wt/vol: 30.21 (g/mL) G Lab File ID: 19B60126.TX0

% Moisture: 77 decanted: (Y/N) N Date Samp/Recv: 06/30/2006 07/01/2006

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/03/2006

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	14	UJ
11104-28-2	Aroclor 1221	30	UJ
11141-16-5	Aroclor 1232	14	UJ
53469-21-9	Aroclor 1242	12	UJ
12672-29-6	Aroclor 1248	17	UJ
11097-69-1	Aroclor 1254	120	J
11096-82-5	Aroclor 1260	180	J

7/6/06 13:23

FORM I - GC EXT

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

207/406
Client No.

PS-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6757702

Sample wt/vol: 30.69 (g/mL) G Lab File ID: 19B60128.TX0

% Moisture: 20 decanted: (Y/N) N Date Samp/Recv: 06/30/2006 07/01/2006

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/03/2006

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	4.0	U
11104-28-2	Aroclor 1221	8.5	U
11141-16-5	Aroclor 1232	3.8	U
53469-21-9	Aroclor 1242	3.5	U
12672-29-6	Aroclor 1248	4.8	U
11097-69-1	Aroclor 1254	10	U
11096-82-5	Aroclor 1260	8.0	U

7/6/06 13:39

FORM I - GC EXT

ATTACHMENT 5

Chain of Custody Record

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

Severn Trent Laboratories, Inc.

STL-4124 (0605)

STL Connecticut

Client	Project Manager	Date	Chain of Custody Number
BL Companies	John Bogdanski / Nick Tsacoyannis	6/30/06	12999
Address 355 Research Parkway	**Telephone Number (Area Code)/Fax Number** (203)630-1406 / (203)630-2615	**Lab Number**	**Page** 1 of 1
City Meriden **State** CT **Zip Code** 06450	**Site Contact** / **Lab Contact**	**Analysis (Attach list if more space is needed)**	
Project Name and Location (State) 030497, Brooklyn, NY	**Rad. Screen** *PASSED RAD SCREEN		
Contract/Purchase Order/Project No.	**Matrix** / **Containers & Preservatives**		

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Lab ID	Aqueous	Solid	Other	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL VOCs	TCL SVOCs	TAL metals	PCBs	Comments
(1) W-1*	6/30	0530		X			X		X	X							*Hold water sample until further notice
(2) PS-1	↓	0650			X		X						X	X	X	X	
(3) PS-2		0740			X		X						X	X	X	X	

213204
07/12/2006
BL COMPANIES
NICK TSACOYANNIS
BROOKLYN WHOLE FOODS

2.2°C

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

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

Turn Around Time Required (business days)
☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☒ Other _____

QC Requirements (Specify)

		Date	Time
1. Relinquished By	Amy Perna	6/30/06	1205
2. Relinquished By			
3. Received By			

		Date	Time
1. Received By		6/30/06	12:10
2. Received By		6/30/06	12:10
Cooler Temps	2.2°C		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

	Job Sample Receipt Checklist Report	V2

Job Number.: 213204 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 06/30/2006
Project Number.: 20001302 Project Description.: Brooklyn Whole Foods Project Manager.....: jmd
Customer.....: BL COMPANIES Contact.: Nick Tsacoyannis

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	C (Same day as collection)
Samples received intact.(good condition)?	Y	
Volatile samples acceptable? (no headspace)	Y	
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 #?..	N	Client d/o
Sample Custodian Signature/Date	Y	

6/30/06

Page 1

SURROGATE RECOVERIES REPORT

Job Number.: 213204 — Report Date.: 07/12/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsaccyannis

Method.....: Volatile Organics — Method Code...: 8260 — Prep Batch....: 68058
Batch(s).....: 68172 — Test Matrix...: Solid — Equipment Code: MSN

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-68058-2			06/30/2006	117	105	99	100
MB-68058-1			06/30/2006	115	113	100	104
213204- 2		PS-1	06/30/2006	113	114	103	109

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	49 - 134
BRFLBE	4-Bromofluorobenzene (surr)	36 - 133
DBRFLM	Dibromofluoromethane (surr)	60 - 130
TOLD8	Toluene-d8 (surr)	51 - 137

Method.....: Volatile Organics — Method Code...: 8260 — Prep Batch....: 68088
Batch(s).....: 68173 — Test Matrix...: Solid — Equipment Code: MSN

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-68088-2			07/02/2006	126	113	110	101
MB-68088-1			07/02/2006	110	111	99	98
213204- 3		PS-2	07/02/2006	124	148*	112	114

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	49 - 134
BRFLBE	4-Bromofluorobenzene (surr)	36 - 133
DBRFLM	Dibromofluoromethane (surr)	60 - 130
TOLD8	Toluene-d8 (surr)	51 - 137

PS-2 BFB ↑

3 ↑ MS

QUALITY CONTROL RESULTS

Job Number.: 213113 Report Date.: 07/12/2006

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: EDG ERP BROWNFIELD ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V06WRK002	213113-9	5.00000	06/21/2006	1907

Test Method.....: 8260B Equipment Code....: MSN Analyst...: pam
Method Description.: Volatile Organics Batch.....: 68257

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane, Solid	ug/Kg	318.969	326.8	1634.000	5.882	U 98		52-137	
Vinyl chloride, Solid	ug/Kg	310.706		1634.000	5.686	U 95		58-145	
Bromomethane, Solid	ug/Kg	339.703		1634.000	5.359	U 104		10-242	
Chloroethane, Solid	ug/Kg	336.541		1634.000	12.353	U 103		56-159	
1,1-Dichloroethene, Solid	ug/Kg	340.107		1634.000	7.124	U 104		61-133	
Carbon disulfide, Solid	ug/Kg	322.092		1634.000	3.987	U 99		23-149	
Acetone, Solid	ug/Kg	432.124		1634.000	45.418	J 118		10-331	
Methylene chloride, Solid	ug/Kg	379.657		1634.000	51.126	J 101		55-126	
trans-1,2-Dichloroethene, Solid	ug/Kg	350.098		1634.000	3.791	U 107		57-127	
1,1-Dichloroethane, Solid	ug/Kg	364.385		1634.000	5.294	U 112		65-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	352.847		1634.000	6.797	U 108		63-121	
2-Butanone (MEK), Solid	ug/Kg	429.047		1634.000	11.634	U 131		13-242	
Chloroform, Solid	ug/Kg	358.126		1634.000	3.464	U 110		68-128	
1,1,1-Trichloroethane, Solid	ug/Kg	327.682		1634.000	5.490	U 100		63-130	
Carbon tetrachloride, Solid	ug/Kg	304.833		1634.000	5.098	U 93		62-135	
Benzene, Solid	ug/Kg	363.137		1634.000	5.621	U 111		66-126	
1,2-Dichloroethane, Solid	ug/Kg	364.318		1634.000	6.471	U 111		62-138	
Trichloroethene, Solid	ug/Kg	342.386		1634.000	4.444	U 105		62-117	
1,2-Dichloropropane, Solid	ug/Kg	369.946		1634.000	6.928	U 113		62-126	
Bromodichloromethane, Solid	ug/Kg	320.014		1634.000	5.490	U 98		64-122	
cis-1,3-Dichloropropene, Solid	ug/Kg	345.122		1634.000	5.098	U 106	↑	44-112	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	1266.072		1634.000	7.712	U 387	↑	21-205	*
Toluene, Solid	ug/Kg	317.608		1634.000	5.490	U 97		72-113	
trans-1,3-Dichloropropene, Solid	ug/Kg	346.044		1634.000	6.013	U 106		41-133	
1,1,2-Trichloroethane, Solid	ug/Kg	553.595		1634.000	6.797	U 169	↑	63-123	*
Tetrachloroethene, Solid	ug/Kg	253.733		1634.000	4.575	U 78		66-122	
2-Hexanone, Solid	ug/Kg	322.710		1634.000	16.536	U 99		10-249	
Dibromochloromethane, Solid	ug/Kg	298.620		1634.000	2.680	U 91		68-117	
Chlorobenzene, Solid	ug/Kg	323.513		1634.000	5.163	U 99		74-114	
Ethylbenzene, Solid	ug/Kg	278.065		1634.000	5.163	U 85		74-117	
Styrene, Solid	ug/Kg	282.801		1634.000	6.928	U 87		72-114	
Bromoform, Solid	ug/Kg	254.512		1634.000	6.471	U 78		51-117	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	870.288	980.4	1634.000	7.908	U 266	↑	59-124	*
Xylenes (total), Solid	ug/Kg	828.712		4902.000	12.810	U 85		73-116	

Pam 7/12/06

34 cmpds MS

Page 44 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

3 ↑

2 ↑ BS

QUALITY CONTROL RESULTS

Job Number.: 213113 Report Date.: 07/12/2006

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: EDG ERP BROWNFIELD ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSB	Matrix Spike Blank	V06WRK002	213113-9		06/21/2006	2000

Test Method.....: 8260B Equipment Code....: MSN
Method Description.: Volatile Organics Batch.....: 68257 Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane, Solid	ug/Kg	66.851		65.360	1.176 U	102		52-137	
Vinyl chloride, Solid	ug/Kg	65.755		65.360	1.137 U	101		58-145	
Bromomethane, Solid	ug/Kg	74.734		65.360	1.072 U	114		10-242	
Chloroethane, Solid	ug/Kg	72.601		65.360	2.471 U	111		56-159	
1,1-Dichloroethene, Solid	ug/Kg	74.428		65.360	1.425 U	114		61-133	
Carbon disulfide, Solid	ug/Kg	71.836		65.360	0.797 U	110		23-149	
Acetone, Solid	ug/Kg	71.635		65.360	4.118 U	110		10-331	
Methylene chloride, Solid	ug/Kg	78.704		65.360	10.132 J	105		55-126	
trans-1,2-Dichloroethene, Solid	ug/Kg	76.322		65.360	0.758 U	117		57-127	
1,1-Dichloroethane, Solid	ug/Kg	76.176		65.360	1.059 U	117		65-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	76.869		65.360	1.359 U	118		63-121	
2-Butanone (MEK), Solid	ug/Kg	80.782		65.360	2.327 U	124		13-242	
Chloroform, Solid	ug/Kg	72.356		65.360	0.693 U	111		68-128	
1,1,1-Trichloroethane, Solid	ug/Kg	74.612		65.360	1.098 U	114		63-130	
Carbon tetrachloride, Solid	ug/Kg	73.916		65.360	1.020 U	113		62-135	
Benzene, Solid	ug/Kg	78.502		65.360	1.124 U	120		66-126	
1,2-Dichloroethane, Solid	ug/Kg	74.324		65.360	1.294 U	114		62-138	
Trichloroethene, Solid	ug/Kg	79.610		65.360	0.889 U	122	↑	62-117	*
1,2-Dichloropropane, Solid	ug/Kg	79.046		65.360	1.386 U	121		62-126	
Bromodichloromethane, Solid	ug/Kg	69.528		65.360	1.098 U	106		64-122	
cis-1,3-Dichloropropene, Solid	ug/Kg	74.352		65.360	1.020 U	114	↑	44-112	*
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	63.679		65.360	1.542 U	97		21-205	
Toluene, Solid	ug/Kg	67.633		65.360	1.098 U	103		72-113	
trans-1,3-Dichloropropene, Solid	ug/Kg	73.771		65.360	1.203 U	113		41-133	
1,1,2-Trichloroethane, Solid	ug/Kg	75.737		65.360	1.359 U	116		63-123	
Tetrachloroethene, Solid	ug/Kg	66.023		65.360	0.915 U	101		66-122	
2-Hexanone, Solid	ug/Kg	62.662		65.360	3.307 U	96		10-249	
Dibromochloromethane, Solid	ug/Kg	60.226		65.360	0.536 U	92		68-117	
Chlorobenzene, Solid	ug/Kg	68.913		65.360	1.033 U	105		74-114	
Ethylbenzene, Solid	ug/Kg	69.082		65.360	1.033 U	106		74-117	
Styrene, Solid	ug/Kg	66.626		65.360	1.386 U	102		72-114	
Bromoform, Solid	ug/Kg	54.729		65.360	1.294 U	84		51-117	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	68.213		65.360	1.582 U	104		59-124	
Xylenes (total), Solid	ug/Kg	204.613		196.100	2.562 U	104		73-116	

34 cmpds MSB

Page 45 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

(3) ↑ RPD's (ok)

QUALITY CONTROL RESULTS

Job Number.: 213113 Report Date.: 07/12/2006

CUSTOMER: PANNING, PHILLIPS AND MOLNAR PROJECT: BDG ERP BROWNFIELD ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V06EWRK002	213113-9	5.00000	06/21/2006	1934

Test Method.....: 8260B Equipment Code....: MSN Analyst...: pam
Method Description.: Volatile Organics Batch.....: 68257

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane, Solid	ug/Kg	330.746	318.969	1634.000	5.882 U	101		52-137	
Vinyl chloride, Solid	ug/Kg	335.064	310.706	1634.000	5.686 U	104 103		20 58-145	
Bromomethane, Solid	ug/Kg	370.648	339.703	1634.000	5.359 U	118 113		20 10-242	
Chloroethane, Solid	ug/Kg	356.007	336.541	1634.000	12.353 U	109 109		20 56-159	
1,1-Dichloroethene, Solid	ug/Kg	347.741	340.107	1634.000	7.124 U	106 106		20 61-133	
Carbon disulfide, Solid	ug/Kg	331.199	322.092	1634.000	3.987 U	102 101		20 23-149	
Acetone, Solid	ug/Kg	407.810	432.124	1634.000	45.418 J	133 111		20 10-331	
Methylene chloride, Solid	ug/Kg	381.164	379.657	1634.000	51.126 J	106 101		20 55-126	
trans-1,2-Dichloroethene, Solid	ug/Kg	359.958	350.098	1634.000	3.791 U	110 110		20 57-127	
1,1-Dichloroethane, Solid	ug/Kg	364.559	364.385	1634.000	5.294 U	113 112		20 65-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	366.009	352.847	1634.000	6.797 U	110 112		20 63-121	
2-Butanone (MEK), Solid	ug/Kg	410.283	429.047	1634.000	11.634 U	124 126		20 13-242	
Chloroform, Solid	ug/Kg	358.895	358.126	1634.000	3.464 U	110 110		20 68-128	
1,1,1-Trichloroethane, Solid	ug/Kg	336.082	327.682	1634.000	5.490 U	100 103		20 63-130	
Carbon tetrachloride, Solid	ug/Kg	313.218	304.833	1634.000	5.098 U	93 96		20 62-135	
Benzene, Solid	ug/Kg	362.633	363.137	1634.000	5.621 U	113 111		20 66-126	
1,2-Dichloroethane, Solid	ug/Kg	341.349	364.318	1634.000	6.471 U	100 104		20 62-138	
Trichloroethene, Solid	ug/Kg	351.245	342.386	1634.000	4.444 U	107 107		20 62-117	
1,2-Dichloropropane, Solid	ug/Kg	378.518	369.946	1634.000	6.928 U	113 116		20 62-126	
Bromodichloromethane, Solid	ug/Kg	320.387	320.014	1634.000	5.490 U	102 98		20 64-122	
cis-1,3-Dichloropropene, Solid	ug/Kg	345.959	345.122	1634.000	5.098 U	100 106		20 44-112	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	1532.190	1266.072	1634.000	7.712 U	460 469		20 21-205	*
Toluene, Solid	ug/Kg	310.335	317.608	1634.000	5.490 U	119 95		20 72-113	
trans-1,3-Dichloropropene, Solid	ug/Kg	330.060	346.044	1634.000	6.013 U	102 101		20 41-133	
1,1,2-Trichloroethane, Solid	ug/Kg	598.231	553.595	1634.000	6.797 U	185 183		20 63-123	*
						8		20	

Page 46 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

pm 7/12/06

MSD

QUALITY CONTROL RESULTS

Job Number.: 213113 Report Date.: 07/12/2006

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: BDG ERP BROWNFIELD ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	V06SWRK002	213113-9	5.00000	06/21/2006 1934

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Tetrachloroethene, Solid	ug/Kg	255.282	253.733	1634.000	4.575	U 78 1		66-122 20	
2-Hexanone, Solid	ug/Kg	356.922	322.710	1634.000	16.536	U 109 10		10-249 20	
Dibromochloromethane, Solid	ug/Kg	288.003	298.620	1634.000	2.680	U 88 4		68-117 20	
Chlorobenzene, Solid	ug/Kg	312.766	323.513	1634.000	5.163	U 96 3		74-114 20	
Ethylbenzene, Solid	ug/Kg	267.782	278.065	1634.000	5.163	U 82 4		74-117 20	
Styrene, Solid	ug/Kg	270.608	282.801	1634.000	6.928	U 83 4		72-114 20	
Bromoform, Solid	ug/Kg	231.064	254.512	1634.000	6.471	U 71 10		51-117 20	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	924.863	870.288	1634.000	7.908	U 283 6		59-124 20	*
Xylenes (total), Solid	ug/Kg	791.739	828.712	4902.000	12.810	U 81 5		73-116 20	

324 cmpds

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Calibration Time(s): 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =N6897 RRF20 =N6898
RRF50 =N6899 RRF100=N6900 RRF200=N6902

	COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
	Dichlorodifluoromethane	0.319	0.357	0.341	0.333	0.321			
*	Chloromethane	1.046	1.041	1.008	0.972	0.982			*
	Vinyl Chloride	0.720	0.713	0.706	0.675	0.704			
	Bromomethane	0.356	0.307	0.263	0.199	0.180			
	Chloroethane	0.376	0.405	0.392	0.371	0.354			
	Trichlorofluoromethane	0.441	0.467	0.474	0.457	0.460			
	Ethyl Ether	0.402	0.385	0.378	0.368	0.381			
	Freon 141	0.529	0.575	0.598	0.576	0.586			
	Freon 123a	0.141	0.143	0.142	0.144	0.132			
	Trichlorotrifluoroethane	0.353	0.380	0.388	0.378	0.387			
*	Acrolein	0.043	0.044	0.051	0.056	0.059			*
	1,1-Dichloroethene	0.314	0.350	0.347	0.343	0.349			
	Acetone		0.181	0.174	0.173	0.175			
	Iodomethane	0.322	0.428	0.503	0.492	0.481			
	Carbon Disulfide	1.377	1.449	1.452	1.457	1.396			
	3-Chloro-1-Propene	1.127	1.157	1.213	1.206	1.236			
*	tert-Butyl alcohol	0.065	0.059	0.059	0.057	0.060			*
	Methylene Chloride		0.657	0.509	0.455	0.435			
	Methyl tert-Butyl Ether	0.914	0.967	1.008	0.967	0.974			
	Ethyl Acetate	0.625	0.614	0.641	0.622	0.634			
	trans-1,2-Dichloroethene	0.348	0.383	0.392	0.386	0.396			
	Acrylonitrile	0.364	0.404	0.431	0.413	0.444			
*	1,1-Dichloroethane	0.990	1.040	1.048	1.027	1.071			*
	2,2-Dichloropropane	0.593	0.636	0.619	0.607	0.589			
	cis-1,2-Dichloroethene	0.344	0.379	0.394	0.391	0.396			
	2-Butanone	0.134	0.178	0.221	0.239	0.258			
	Methyl Acrylate	0.436	0.454	0.451	0.432	0.446			
	Propionitrile	0.045	0.057	0.059	0.060	0.063			
	Bromochloromethane	0.143	0.150	0.158	0.154	0.159			
	2-Methyl-2-Propenenitrile	0.296	0.288	0.328	0.331	0.348			
	Tetrahydrofuran	0.173	0.174	0.180	0.174	0.178			
	Chloroform	0.632	0.696	0.688	0.689	0.718			
	1,1,1-Trichloroethane	0.445	0.486	0.524	0.518	0.522			
	1-Chlorobutane	1.235	1.333	1.343	1.301	1.332			
	Carbon Tetrachloride	0.373	0.419	0.418	0.408	0.495			
*	Chloroacetonitrile	0.004	0.006	0.008	0.009	0.010			*
	1,1-Dichloropropene	0.605	0.661	0.673	0.656	0.676			

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Calibration Time(s): 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =N6897 RRF20 =N6898
RRF50 =N6899 RRF100=N6900 RRF200=N6902

	COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
	Benzene	1.659	1.714	1.756	1.704	1.737		
	1,2-Dichloroethane	0.451	0.497	0.511	0.497	0.520		
	2-Chloro-1,3-Butadiene	0.279	0.309	0.314	0.320	0.326		
	Vinyl Acetate	0.596	1.074	1.209	1.063	1.131		
	Trichloroethene	0.308	0.350	0.358	0.352	0.364		
	1,2-Dichloropropane	0.531	0.534	0.564	0.556	0.570		
	Methyl Methacrylate	0.066	0.108	0.121	0.128	0.135		
*	1,4-Dioxane	0.000	0.001	0.001	0.001	0.001		*
	Dibromomethane	0.157	0.176	0.185	0.186	0.195		
	Bromodichloromethane	0.365	0.388	0.428	0.432	0.460		
	2-Nitropropane	0.082	0.098	0.106	0.108	0.118		
*	2-Chloroethylvinylether		0.013	0.011	0.011	0.012		*
	cis-1,3-Dichloropropene	0.490	0.556	0.612	0.606	0.628		
	trans-1,3-Dichloropropene	0.382	0.456	0.504	0.494	0.519		
	1,1,2-Trichloroethane	0.235	0.228	0.249	0.241	0.250		
	4-Methyl-2-Pentanone	0.724	0.807	0.880	0.857	0.859		
	Toluene	2.133	2.269	2.309	2.257	2.231		
	Ethyl Methacrylate	0.453	0.591	0.715	0.668	0.711		
	Tetrachloroethene	0.320	0.346	0.345	0.334	0.327		
	1,3-Dichloropropane	0.752	0.801	0.813	0.791	0.793		
	2-Hexanone	0.270	0.460	0.530	0.554	0.580		
	Dibromochloromethane	0.325	0.356	0.403	0.407	0.420		
	1,2-Dibromoethane	0.296	0.355	0.385	0.386	0.393		
	1,1-Dichloro-2-propanone	0.402	0.438	0.471	0.470	0.476		
	1-Chlorohexane	0.846	0.980	1.044	0.855	0.936		
*	Chlorobenzene	1.215	1.294	1.306	1.260	1.239		*
	1,1,1,2-Tetrachloroethane	0.366	0.392	0.420	0.409	0.419		
	Ethylbenzene	0.672	0.679	0.700	0.702	0.681		
	Xylene (total)mp	0.848	0.886	0.889	0.851	0.830		
	Xylene (total)o	0.797	0.838	0.836	0.811	0.790		
	Styrene	1.032	1.195	1.272	1.230	1.225		
*	Bromoform	0.115	0.164	0.183	0.191	0.204		*
	Isopropylbenzene	6.489	6.692	6.620	6.072	6.131		
*	1,1,2,2-Tetrachloroethane	1.351	1.479	1.572	1.447	1.598		*
	Bromobenzene	1.067	1.089	1.138	1.057	1.123		
	1,2,3-Trichloropropane	0.317	0.294	0.323	0.302	0.335		
	trans-1,4-Dichloro-2-Butene	0.397	0.504	0.537	0.493	0.680		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Calibration Time(s): 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =N6897 RRF20 =N6898
RRF50 =N6899 RRF100=N6900 RRF200=N6902

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
n-Propylbenzene	8.237	8.341	8.259	7.649	6.870			
2-Chlorotoluene	5.326	5.196	5.230	4.759	5.003			
4-Chlorotoluene	4.682	4.347	4.366	4.007	4.296			
1,3,5-Trimethylbenzene	5.491	5.056	4.976	4.590	4.697			
tert-Butylbenzene	4.399	4.408	4.356	4.092	4.253			
1,2,4-Trimethylbenzene	4.582	4.615	4.577	4.220	4.490			
sec-Butylbenzene	7.203	7.019	6.840	6.298	6.214			
4-Isopropyltoluene	5.592	5.318	5.351	4.946	5.124			
1,3-Dichlorobenzene	2.094	2.052	2.127	1.947	2.038			
1,4-Dichlorobenzene	2.310	2.102	2.169	1.924	2.041			
1,2-Dichlorobenzene	1.978	1.895	1.962	1.764	1.889			
Benzyl Chloride	0.261	0.268	0.347	0.331	0.371			
Pentachloroethane *								*
n-Butylbenzene	6.958	7.359	7.846	7.596	7.257			
Hexachloroethane *								*
1,2-Dibromo-3-chloropropane	0.135	0.179	0.185	0.189	0.222			
Nitrobenzene	0.025	0.022	0.034	0.048	0.069			
1,2,4-Trichlorobenzene	0.938	0.847	0.911	0.869	0.896			
Hexachlorobutadiene	0.789	0.700	0.722	0.662	0.706			
Naphthalene	2.499	2.032	2.291	2.236	2.425			
1,2,3-Trichlorobenzene	0.934	0.747	0.802	0.773	0.813			
Xylene (total)	0.831	0.870	0.871	0.838	0.817			
1,2-Dichloroethene (total)	0.346	0.381	0.393	0.389	0.396			
Methyl Cyclohexane	0.734	0.778	0.778	0.767	0.779			
Cyclohexane	0.668	0.667	0.682	0.653	0.666			
Methyl Acetate	1.907	2.158	2.142	2.179	1.808			
Acetonitrile *	0.068	0.073	0.077	0.077	0.081			*
Isobutyl Alcohol *	0.017	0.018	0.020	0.021	0.022			*
Dichlorofluoromethane	1.000	1.056	1.039	0.993	1.005			
n-Butyl Acetate								
1-Bromopropane	1.251	1.229	1.282	1.245	1.269			
Dibromofluoromethane	0.326	0.360	0.353	0.349	0.356			
1,2-Dichloroethane-d4	0.439	0.425	0.409	0.410	0.416			
Toluene-d8	1.748	1.995	1.905	1.852	1.784			
Bromofluorobenzene	1.674	1.784	1.693	1.580	1.650			

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Calibration Time(s): 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF150=N6901

COMPOUND		RRF150						RRF	% RSD
Dichlorodifluoromethane		0.343						0.336	4.2
Chloromethane	*	1.046						1.016	3.3*
Vinyl Chloride		0.757						0.712	3.7
Bromomethane		0.182						0.248	29.5
Chloroethane		0.393						0.382	4.8
Trichlorofluoromethane		0.490						0.465	3.6
Ethyl Ether		0.401						0.386	3.5
Freon 141		0.625						0.582	5.5
Freon 123a		0.144						0.141	3.3
Trichlorotrifluoroethane		0.407						0.382	4.6
Acrolein	*	0.062						0.052	14.3*
1,1-Dichloroethene		0.374						0.346	5.5
Acetone		0.186						0.178	3.1
Iodomethane		0.523						0.458	16.1
Carbon Disulfide		1.572						1.450	4.7
3-Chloro-1-Propene		1.304						1.207	5.1
tert-Butyl alcohol	*	0.063						0.060	4.9*
Methylene Chloride		0.470						0.505	17.6
Methyl tert-Butyl Ether		1.046						0.979	4.5
Ethyl Acetate		0.668						0.634	3.0
trans-1,2-Dichloroethene		0.415						0.387	5.7
Acrylonitrile		0.465						0.420	8.3
1,1-Dichloroethane	*	1.107						1.047	3.8*
2,2-Dichloropropane		0.643						0.614	3.6
cis-1,2-Dichloroethene		0.426						0.388	6.9
2-Butanone		0.265						0.216	23.5
Methyl Acrylate		0.469						0.448	3.0
Propionitrile		0.065						0.058	11.7
Bromochloromethane		0.168						0.155	5.5
2-Methyl-2-Propenenitrile		0.362						0.326	8.8
Tetrahydrofuran		0.190						0.178	3.5
Chloroform		0.739						0.694	5.2
1,1,1-Trichloroethane		0.546						0.507	7.1
1-Chlorobutane		1.397						1.324	4.0
Carbon Tetrachloride		0.449						0.427	9.7
Chloroacetonitrile	*	0.010						0.008	28.7*<-NT
1,1-Dichloropropene		0.707						0.683	5.1

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Calibration Time(s): 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF150=N6901

COMPOUND		RRF150						$\overline{RRF}$	% RSD	
Benzene		1.832						1.734	3.4	
1,2-Dichloroethane		0.545						0.504	6.2	
2-Chloro-1,3-Butadiene		0.340						0.315	6.6	
Vinyl Acetate		1.250						1.054	22.4	
Trichloroethene		0.380						0.352	6.9	
1,2-Dichloropropane		0.600						0.559	4.6	
Methyl Methacrylate		0.140						0.116	23.1	
1,4-Dioxane	*	0.001						0.001	16.2*	<-NT
Dibromomethane		0.202						0.184	8.7	
Bromodichloromethane		0.476						0.425	9.9	
2-Nitropropane		0.124						0.106	13.9	
2-Chloroethylvinylether	*	0.013						0.012	9.6*	<-
cis-1,3-Dichloropropene		0.658						0.592	10.1	
trans-1,3-Dichloropropene		0.526						0.480	11.3	
1,1,2-Trichloroethane		0.262						0.244	5.0	
4-Methyl-2-Pentanone		0.878						0.834	7.2	
Toluene		2.262						2.244	2.7	
Ethyl Methacrylate		0.720						0.643	16.3	
Tetrachloroethene		0.330						0.334	3.0	
1,3-Dichloropropane		0.816						0.794	2.9	
2-Hexanone		0.584						0.496	24.1	
Dibromochloromethane		0.417						0.388	10.0	
1,2-Dibromoethane		0.399						0.369	10.5	
1,1-Dichloro-2-propanone		0.483						0.457	6.8	
1-Chlorohexane		0.928						0.932	8.1	
Chlorobenzene	*	1.253						1.261	2.7*	
1,1,1,2-Tetrachloroethane		0.417						0.404	5.3	
Ethylbenzene		0.678						0.685	1.8	
Xylene (total)mp		0.834						0.856	3.0	
Xylene (total)o		0.804						0.813	2.5	
Styrene		1.217						1.195	7.0	
Bromoform	*	0.203						0.177	19.2*	<-
Isopropylbenzene		5.986						6.332	4.8	
1,1,2,2-Tetrachloroethane	*	1.511						1.493	6.0*	
Bromobenzene		1.059						1.089	3.2	
1,2,3-Trichloropropane		0.321						0.315	4.7	
trans-1,4-Dichloro-2-Butene		0.561						0.529	17.6	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Calibration Time(s): 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF150=N6901

COMPOUND	RRF150					$\overline{RRF}$	% RSD	
n-Propylbenzene	7.265					7.770	7.9	
2-Chlorotoluene	4.660					5.029	5.4	
4-Chlorotoluene	3.925					4.270	6.4	
1,3,5-Trimethylbenzene	4.400					4.868	8.0	
tert-Butylbenzene	3.965					4.246	4.3	
1,2,4-Trimethylbenzene	4.162					4.441	4.5	
sec-Butylbenzene	6.078					6.609	7.1	
4-Isopropyltoluene	4.676					5.168	6.3	
1,3-Dichlorobenzene	1.950					2.035	3.6	
1,4-Dichlorobenzene	1.924					2.078	7.2	
1,2-Dichlorobenzene	1.796					1.881	4.6	
Benzyl Chloride	0.361					0.323	14.7	
Pentachloroethane *								*<-
n-Butylbenzene	6.848					7.311	5.2	
Hexachloroethane *								*<-
1,2-Dibromo-3-chloropropane	0.213					0.187	16.4	
Nitrobenzene	0.061					0.043	45.0	
1,2,4-Trichlorobenzene	0.900					0.894	3.6	
Hexachlorobutadiene	0.641					0.703	7.3	
Naphthalene	2.407					2.315	7.3	
1,2,3-Trichlorobenzene	0.821					0.815	7.9	
Xylene (total)	0.824					0.842	2.8	
1,2-Dichloroethene (total)	0.420					0.388	6.3	
Methyl Cyclohexane	0.823					0.776	3.7	
Cyclohexane	0.707					0.674	2.8	
Methyl Acetate	2.222					2.069	8.2	
Acetonitrile *	0.085					0.077	7.8*	
Isobutyl Alcohol *	0.023					0.020	10.8*	
Dichlorofluoromethane	1.069					1.027	3.1	
n-Butyl Acetate								<-
1-Bromopropane	1.336					1.269	3.0	
Dibromofluoromethane	0.376					0.353	4.6	
1,2-Dichloroethane-d4	0.434					0.422	3.0	
Toluene-d8	1.792					1.846	5.0	
Bromofluorobenzene	1.557					1.656	4.9	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date: 06/30/06 Time: 1026

Lab File ID: N7038 Init. Calib. Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Init. Calib. Times: 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

PS-1

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.336	0.225	0.01	33.0	100
Chloromethane	1.016	0.853	0.1	16.0	100
Vinyl Chloride	0.712	0.615	0.01	13.6	20.0
Bromomethane	0.248	0.238	0.01	4.0	100
Chloroethane	0.382	0.366	0.01	4.2	100
Trichlorofluoromethane	0.465	0.439	0.01	5.6	100
Ethyl Ether	0.386	0.411	0.01	6.5	100
Freon 141	0.582	0.579	0.01	0.5	100
Freon 123a	0.141	0.128	0.01	9.2	100
Trichlorotrifluoroethane	0.382	0.379	0.01	0.8	100
Acrolein	0.052	0.059	0.001	13.5	100
1,1-Dichloroethene	0.346	0.328	0.01	5.2	20.0
Acetone	0.178	0.220	0.01	23.6	100
Iodomethane	0.458	0.402	0.01	12.2	100
Carbon Disulfide	1.450	1.108	0.01	23.6	100
3-Chloro-1-Propene	1.207	1.175	0.01	2.6	100
tert-Butyl alcohol	0.060	0.078	0.001	30.0	100
Methylene Chloride	0.505	0.431	0.01	14.6	100
Methyl tert-Butyl Ether	0.979	1.092	0.01	11.5	100
Ethyl Acetate	0.634	0.627	0.01	1.1	100
trans-1,2-Dichloroethene	0.387	0.364	0.01	5.9	100
Acrylonitrile	0.420	0.426	0.01	1.4	100
1,1-Dichloroethane	1.047	1.061	0.1	1.3	100
2,2-Dichloropropane	0.614	0.638	0.01	3.9	100
cis-1,2-Dichloroethene	0.388	0.396	0.01	2.1	100
2-Butanone	0.216	0.272	0.01	25.9	100
Methyl Acrylate	0.448	0.428	0.01	4.5	100
Propionitrile	0.058	0.072	0.01	24.1	100
Bromochloromethane	0.155	0.161	0.01	3.9	100
2-Methyl-2-Propenenitrile	0.326	0.372	0.01	14.1	100
Tetrahydrofuran	0.178	0.209	0.01	17.4	100
Chloroform	0.694	0.691	0.01	0.4	20.0
1,1,1-Trichloroethane	0.507	0.511	0.01	0.8	100
1-Chlorobutane	1.324	1.312	0.01	0.9	100
Carbon Tetrachloride	0.427	~~0.421~~	0.01	1.4	100
Chloroacetonitrile	0.008	0.010	0.001	25.0	100
1,1-Dichloropropene	0.663	~~0.635~~	0.01	4.2	100

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date: 06/30/06 Time: 1026

Lab File ID: N7038 Init. Calib. Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Init. Calib. Times: 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Benzene	1.734	1.732	0.01	0.1	100	
1,2-Dichloroethane	0.504	0.542	0.01	7.5	100	
2-Chloro-1,3-Butadiene	0.315	0.308	0.01	2.2	100	
Vinyl Acetate	1.054	1.390	0.01	31.9	100	
Trichloroethene	0.352	0.354	0.01	0.6	100	
1,2-Dichloropropane	0.559	0.600	0.01	7.3	20.0	
Methyl Methacrylate	0.116	0.141	0.01	21.6	100	
1,4-Dioxane	0.001	0.001	0.001	0.0	100	
Dibromomethane	0.184	0.199	0.01	8.2	100	
Bromodichloromethane	0.425	0.450	0.01	5.9	100	
2-Nitropropane	0.106	0.131	0.01	23.6	100	
2-Chloroethylvinylether	0.012	0.028	0.001	133.3	100	<-
cis-1,3-Dichloropropene	0.592	0.642	0.01	8.4	100	
trans-1,3-Dichloropropene	0.480	0.535	0.01	11.4	100	
1,1,2-Trichloroethane	0.244	0.267	0.01	9.4	100	
4-Methyl-2-Pentanone	0.834	1.030	0.01	23.5	100	
Toluene	2.244	2.252	0.01	0.4	20.0	
Ethyl Methacrylate	0.643	0.754	0.01	17.3	100	
Tetrachloroethene	0.334	0.324	0.01	3.0	100	
1,3-Dichloropropane	0.794	0.834	0.01	5.0	100	
2-Hexanone	0.496	0.639	0.01	28.8	100	
Dibromochloromethane	0.388	0.421	0.01	8.5	100	
1,2-Dibromoethane	0.369	0.379	0.01	2.7	100	
1,1-Dichloro-2-propanone	0.457	0.568	0.01	24.3	100	
1-Chlorohexane	0.932	0.831	0.01	10.8	100	
Chlorobenzene	1.261	1.315	0.3	4.3	100	
1,1,1,2-Tetrachloroethane	0.404	0.410	0.01	1.5	100	
Ethylbenzene	0.685	0.707	0.01	3.2	20.0	
Xylene (total)mp	0.856	0.890	0.01	4.0	100	
Xylene (total)o	0.813	0.849	0.01	4.4	100	
Styrene	1.195	1.303	0.01	9.0	100	
Bromoform	0.177	0.196	0.1	10.7	100	
Isopropylbenzene	6.332	6.235	0.01	1.5	100	
1,1,2,2-Tetrachloroethane	1.493	1.624	0.3	8.8	100	
Bromobenzene	1.089	1.085	0.01	0.4	100	
1,2,3-Trichloropropane	0.315	0.361	0.01	14.6	100	
trans-1,4-Dichloro-2-Butene	0.529	0.557	0.01	5.3	100	

FORM VII VOA

4

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date: 06/30/06 Time: 1026

Lab File ID: N7038 Init. Calib. Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Init. Calib. Times: 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
n-Propylbenzene	7.770	7.974	0.01	2.6	100	
2-Chlorotoluene	5.029	5.105	0.01	1.5	100	
4-Chlorotoluene	4.270	4.443	0.01	4.0	100	
1,3,5-Trimethylbenzene	4.868	4.918	0.01	1.0	100	
tert-Butylbenzene	4.246	4.254	0.01	0.2	100	
1,2,4-Trimethylbenzene	4.441	4.688	0.01	5.6	100	
sec-Butylbenzene	6.609	6.709	0.01	1.5	100	
4-Isopropyltoluene	5.168	5.524	0.01	6.9	100	
1,3-Dichlorobenzene	2.035	2.242	0.01	10.2	100	
1,4-Dichlorobenzene	2.078	2.298	0.01	10.6	100	
1,2-Dichlorobenzene	1.881	2.083	0.01	10.7	100	
Benzyl Chloride	0.323	0.389	0.01	20.4	100	
Pentachloroethane		0.012			100	<-
n-Butylbenzene	7.311	8.142	0.01	11.4	100	
Hexachloroethane		0.025			100	<-
1,2-Dibromo-3-chloropropane	0.187	0.226	0.01	20.8	100	
Nitrobenzene	0.043	0.038 ↓	0.01	11.6	100	
1,2,4-Trichlorobenzene	0.894	1.204	0.01	34.7	100	
Hexachlorobutadiene	0.703	0.812	0.01	15.5	100	
Naphthalene	2.315	2.869	0.01	23.9	100	
1,2,3-Trichlorobenzene	0.815	1.062	0.01	30.3	100	
Xylene (total)	0.842	0.876	0.01	4.0	100	
1,2-Dichloroethene (total)	0.388	0.380	0.01	2.1	100	
Methyl Cyclohexane	0.776	0.758	0.01	2.3	100	
Cyclohexane	0.674	0.642	0.01	4.7	100	
Methyl Acetate	2.069	2.519	0.01	21.7	100	
Acetonitrile	0.077	0.092	0.001	19.5	100	
Isobutyl Alcohol	0.020	0.027 ↓	0.001	35.0	100	
Dichlorofluoromethane	1.027	1.023	0.01	0.4	100	
n-Butyl Acetate		0.683	0.01		100	<-
1-Bromopropane	1.269	1.253	0.01	1.3	100	
Dibromofluoromethane	0.353	0.357	0.01	1.1	100	
1,2-Dichloroethane-d4	0.422	0.452	0.01	7.1	100	
Toluene-d8	1.846	1.843	0.01	0.2	100	
Bromofluorobenzene	1.656	1.707	0.01	3.1	100	

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date: 07/02/06 Time: 1608

Lab File ID: N7063 Init. Calib. Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Init. Calib. Times: 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

PS-2

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.336	0.418	0.01	24.4	100
Chloromethane	1.016	1.230	0.1	21.1	100
Vinyl Chloride	0.712	0.826	0.01	16.0	20.0
Bromomethane	0.248	0.285	0.01	14.9	100
Chloroethane	0.382	0.428	0.01	12.0	100
Trichlorofluoromethane	0.465	0.490	0.01	5.4	100
Ethyl Ether	0.386	0.413	0.01	7.0	100
Freon 141	0.582	0.602	0.01	3.4	100
Freon 123a	0.141	0.150	0.01	6.4	100
Trichlorotrifluoroethane	0.382	0.394	0.01	3.1	100
Acrolein	0.052	0.046	0.001	11.5	100
1,1-Dichloroethene	0.346	0.355	0.01	2.6	20.0
Acetone	0.178	0.191	0.01	7.3	100
Iodomethane	0.458	0.458	0.01	0.0	100
Carbon Disulfide	1.450	1.642	0.01	13.2	100
3-Chloro-1-Propene	1.207	1.276	0.01	5.7	100
tert-Butyl alcohol	0.060	0.061	0.001	1.7	100
Methylene Chloride	0.505	0.462	0.01	8.5	100
Methyl tert-Butyl Ether	0.979	1.045	0.01	6.7	100
Ethyl Acetate	0.634	0.657	0.01	3.6	100
trans-1,2-Dichloroethene	0.387	0.405	0.01	4.6	100
Acrylonitrile	0.420	0.444	0.01	5.7	100
1,1-Dichloroethane	1.047	1.082	0.1	3.3	100
2,2-Dichloropropane	0.614	0.637	0.01	3.7	100
cis-1,2-Dichloroethene	0.388	0.409	0.01	5.4	100
2-Butanone	0.216	0.234	0.01	8.3	100
Methyl Acrylate	0.448	0.463	0.01	3.3	100
Propionitrile	0.058	0.060	0.01	3.4	100
Bromochloromethane	0.155	0.168	0.01	8.4	100
2-Methyl-2-Propenenitrile	0.326	0.341	0.01	4.6	100
Tetrahydrofuran	0.178	0.184	0.01	3.4	100
Chloroform	0.694	0.704	0.01	1.4	20.0
1,1,1-Trichloroethane	0.507	0.520	0.01	2.6	100
1-Chlorobutane	1.324	1.372	0.01	3.6	100
Carbon Tetrachloride	0.427	0.428	0.01	0.2	100
Chloroacetonitrile	0.008	0.008	0.001	0.0	100
1,1-Dichloropropene	0.663	0.661	0.01	2.7	100

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date: 07/02/06 Time: 1608

Lab File ID: N7063 Init. Calib. Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Init. Calib. Times: 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzene	1.734	1.776	0.01	2.4	100
1,2-Dichloroethane	0.504	0.523	0.01	3.8	100
2-Chloro-1,3-Butadiene	0.315	0.324	0.01	2.8	100
Vinyl Acetate	1.054	1.282	0.01	21.6	100
Trichloroethene	0.352	0.371	0.01	5.4	100
1,2-Dichloropropane	0.559	0.589	0.01	5.4	20.0
Methyl Methacrylate	0.116	0.126	0.01	8.6	100
1,4-Dioxane	0.001	0.001	0.001	0.0	100
Dibromomethane	0.184	0.197	0.01	7.1	100
Bromodichloromethane	0.425	0.450	0.01	5.9	100
2-Nitropropane	0.106	0.114	0.01	7.5	100
2-Chloroethylvinylether	0.012	0.007	0.001	41.7	100
cis-1,3-Dichloropropene	0.592	0.636	0.01	7.4	100
trans-1,3-Dichloropropene	0.480	0.520	0.01	8.3	100
1,1,2-Trichloroethane	0.244	0.249	0.01	2.0	100
4-Methyl-2-Pentanone	0.834	0.863	0.01	3.5	100
Toluene	2.244	2.183	0.01	2.7	20.0
Ethyl Methacrylate	0.643	0.668	0.01	3.9	100
Tetrachloroethene	0.334	0.315	0.01	5.7	100
1,3-Dichloropropane	0.794	0.778	0.01	2.0	100
2-Hexanone	0.496	0.532	0.01	7.2	100
Dibromochloromethane	0.388	0.392	0.01	1.0	100
1,2-Dibromoethane	0.369	0.360	0.01	2.4	100
1,1-Dichloro-2-propanone	0.457	0.455	0.01	0.4	100
1-Chlorohexane	0.932	0.773	0.01	17.1	100
Chlorobenzene	1.261	1.245	0.3	1.3	100
1,1,1,2-Tetrachloroethane	0.404	0.385	0.01	4.7	100
Ethylbenzene	0.685	0.677	0.01	1.2	20.0
Xylene (total)mp	0.856	0.848	0.01	0.9	100
Xylene (total)o	0.813	0.801	0.01	1.5	100
Styrene	1.195	1.220	0.01	2.1	100
Bromoform	0.177	0.176	0.1	0.6	100
Isopropylbenzene	6.332	5.904	0.01	6.8	100
1,1,2,2-Tetrachloroethane	1.493	1.372	0.3	8.1	100
Bromobenzene	1.089	1.021	0.01	6.2	100
1,2,3-Trichloropropane	0.315	0.292	0.01	7.3	100
trans-1,4-Dichloro-2-Butene	0.529	0.513	0.01	3.0	100

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Instrument ID: MSN Calibration Date: 07/02/06 Time: 1608

Lab File ID: N7063 Init. Calib. Date(s): 06/26/06 06/26/06

Heated Purge: (Y/N) Y Init. Calib. Times: 0522 0731

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
n-Propylbenzene	7.770	7.296	0.01	6.1	100	
2-Chlorotoluene	5.029	4.630	0.01	7.9	100	
4-Chlorotoluene	4.270	4.003	0.01	6.2	100	
1,3,5-Trimethylbenzene	4.868	4.509	0.01	7.4	100	
tert-Butylbenzene	4.246	3.926	0.01	7.5	100	
1,2,4-Trimethylbenzene	4.441	4.261	0.01	4.0	100	
sec-Butylbenzene	6.609	6.069	0.01	8.2	100	
4-Isopropyltoluene	5.168	4.965	0.01	3.9	100	
1,3-Dichlorobenzene	2.035	2.009	0.01	1.3	100	
1,4-Dichlorobenzene	2.078	2.049	0.01	1.4	100	
1,2-Dichlorobenzene	1.881	1.814	0.01	3.6	100	
Benzyl Chloride	0.323	0.345	0.01	6.8	100	
Pentachloroethane		0.012			100	<-
n-Butylbenzene	7.311	7.371	0.01	0.8	100	
Hexachloroethane		0.016			100	<-
1,2-Dibromo-3-chloropropane	0.187	0.192	0.01	2.7	100	
Nitrobenzene	0.043	0.032 ↓	0.01	25.6	100	
1,2,4-Trichlorobenzene	0.894	1.000	0.01	11.8	100	
Hexachlorobutadiene	0.703	0.709	0.01	0.8	100	
Naphthalene	2.315	2.357	0.01	1.8	100	
1,2,3-Trichlorobenzene	0.815	0.862	0.01	5.8	100	
Xylene (total)	0.842	0.832	0.01	1.2	100	
1,2-Dichloroethene (total)	0.388	0.407	0.01	4.9	100	
Methyl Cyclohexane	0.776	0.802	0.01	3.4	100	
Cyclohexane	0.674	0.692	0.01	2.7	100	
Methyl Acetate	2.069	2.281	0.01	10.2	100	
Acetonitrile	0.077	0.076	0.001	1.3	100	
Isobutyl Alcohol	0.020	0.022 ↓	0.001	10.0	100	
Dichlorofluoromethane	1.027	1.069	0.01	4.1	100	
n-Butyl Acetate		0.001	0.01		100	<-
1-Bromopropane	1.269	1.314	0.01	3.5	100	
Dibromofluoromethane	0.353	0.418	0.01	18.4	100	
1,2-Dichloroethane-d4	0.422	0.527	0.01	24.9	100	
Toluene-d8	1.846	1.997	0.01	8.2	100	
Bromofluorobenzene	1.656	1.879	0.01	13.5	100	

FORM VII VOA

4

QUALITY CONTROL RESULTS

Job Number.: 213204 Report Date.: 07/12/2006

CUSTOMER: BL COMPANIES PROJECT: BROOKLYN WHOLE FOODS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B Equipment Code....: MSN Analyst...: lhd
Method Description.: Volatile Organics Batch.....: 68172

MB	Method Blank		68058 -001		06/30/2006	1146

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	1.250	U							
Chloromethane, Solid	ug/Kg	0.900	U							
Vinyl chloride, Solid	ug/Kg	0.870	U							
Bromomethane, Solid	ug/Kg	0.820	U							
Chloroethane, Solid	ug/Kg	1.890	U							
Trichlorofluoromethane, Solid	ug/Kg	0.600	U							
1,1-Dichloroethene, Solid	ug/Kg	1.090	U							
Carbon disulfide, Solid	ug/Kg	0.610	U							
Acetone, Solid	ug/Kg	6.117	J							B
Methylene chloride, Solid	ug/Kg	2.652	J							B
trans-1,2-Dichloroethene, Solid	ug/Kg	0.580	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	0.930	U							
1,1-Dichloroethane, Solid	ug/Kg	0.810	U							
Vinyl acetate, Solid	ug/Kg	2.700	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.040	U							
2-Butanone (MEK), Solid	ug/Kg	1.780	U							
Chloroform, Solid	ug/Kg	0.530	U							
1,1,1-Trichloroethane, Solid	ug/Kg	0.840	U							
Carbon tetrachloride, Solid	ug/Kg	0.780	U							
Benzene, Solid	ug/Kg	0.860	U							
1,2-Dichloroethane, Solid	ug/Kg	0.990	U							
Trichloroethene, Solid	ug/Kg	0.680	U							
1,2-Dichloropropane, Solid	ug/Kg	1.060	U							
Bromodichloromethane, Solid	ug/Kg	0.840	U							
2-Chloroethylvinylether, Solid	ug/Kg	1.370	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.780	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	1.180	U							
Toluene, Solid	ug/Kg	0.887	J							B
trans-1,3-Dichloropropene, Solid	ug/Kg	0.920	U							
1,1,2-Trichloroethane, Solid	ug/Kg	1.040	U							
Tetrachloroethene, Solid	ug/Kg	0.700	U							
2-Hexanone, Solid	ug/Kg	2.530	U							
Dibromochloromethane, Solid	ug/Kg	0.410	U							
Chlorobenzene, Solid	ug/Kg	0.790	U							
Ethylbenzene, Solid	ug/Kg	0.790	U							
m&p-Xylenes, Solid	ug/Kg	1.370	U							
o-Xylene, Solid	ug/Kg	0.770	U							
Styrene, Solid	ug/Kg	1.060	U							
Bromoform, Solid	ug/Kg	0.990	U							
Isopropylbenzene, Solid	ug/Kg	1.010	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	1.210	U							
n-Propylbenzene, Solid	ug/Kg	0.730	U							
1,3,5-Trimethylbenzene, Solid	ug/Kg	0.830	U							
tert-Butylbenzene, Solid	ug/Kg	0.700	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	0.610	U							
sec-Butylbenzene, Solid	ug/Kg	0.940	U							
1,3-Dichlorobenzene, Solid	ug/Kg	1.430	U							
p-Isopropyltoluene, Solid	ug/Kg	0.950	U							
1,4-Dichlorobenzene, Solid	ug/Kg	1.150	U							
n-Butylbenzene, Solid	ug/Kg	0.810	U							

Acetone U

A = 6.117
MC = 2.652
T = 0.887

Page 8 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

14

QUALITY CONTROL RESULTS

Job Number.: 213204 Report Date.: 07/12/2006

CUSTOMER: HL COMPANIES PROJECT: BROOKLYN WHOLE FOODS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		68058 -001		06/30/2006	1146

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dichlorobenzene, Solid	ug/Kg	0.890	U						
Naphthalene, Solid	ug/Kg	0.790	U						

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

68059-1MB

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: 68059-1MB

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N7040

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/30/06

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

QUALITY CONTROL RESULTS

Job Number.: 213204 — Report Date.: 07/12/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		68088 -001		07/02/2006	1711

Test Method.....: 8260B — Equipment Code....: MSN — Analyst...: lhd
Method Description.: Volatile Organics — Batch.....: 68173

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	1.250	U							
Chloromethane, Solid	ug/Kg	0.900	U							
Vinyl chloride, Solid	ug/Kg	0.870	U							
Bromomethane, Solid	ug/Kg	0.820	U							
Chloroethane, Solid	ug/Kg	1.890	U							
Trichlorofluoromethane, Solid	ug/Kg	0.600	U							
1,1-Dichloroethene, Solid	ug/Kg	1.090	U							
Carbon disulfide, Solid	ug/Kg	0.610	U							
Acetone, Solid	ug/Kg	6.420	J							B
Methylene chloride, Solid	ug/Kg	3.499	J							B
trans-1,2-Dichloroethene, Solid	ug/Kg	0.580	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	0.930	U							
1,1-Dichloroethane, Solid	ug/Kg	0.810	U							
Vinyl acetate, Solid	ug/Kg	2.700	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.040	U							
2-Butanone (MEK), Solid	ug/Kg	1.780	U							
Chloroform, Solid	ug/Kg	0.530	U							
1,1,1-Trichloroethane, Solid	ug/Kg	0.840	U							
Carbon tetrachloride, Solid	ug/Kg	0.780	U							
Benzene, Solid	ug/Kg	0.860	U							
1,2-Dichloroethane, Solid	ug/Kg	0.990	U							
Trichloroethene, Solid	ug/Kg	0.680	U							
1,2-Dichloropropane, Solid	ug/Kg	1.060	U							
Bromodichloromethane, Solid	ug/Kg	0.840	U							
2-Chloroethylvinylether, Solid	ug/Kg	1.370	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.780	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	1.180	U							
Toluene, Solid	ug/Kg	0.840	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	0.920	U							
1,1,2-Trichloroethane, Solid	ug/Kg	1.040	U							
Tetrachloroethene, Solid	ug/Kg	0.700	U							
2-Hexanone, Solid	ug/Kg	2.530	U							
Dibromochloromethane, Solid	ug/Kg	0.410	U							
Chlorobenzene, Solid	ug/Kg	0.790	U							
Ethylbenzene, Solid	ug/Kg	0.790	U							
m&p-Xylenes, Solid	ug/Kg	1.370	U							
o-Xylene, Solid	ug/Kg	0.770	U							
Styrene, Solid	ug/Kg	1.060	U							
Bromoform, Solid	ug/Kg	0.990	U							
Isopropylbenzene, Solid	ug/Kg	1.010	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	1.210	U							
n-Propylbenzene, Solid	ug/Kg	0.730	U							
1,3,5-Trimethylbenzene, Solid	ug/Kg	0.830	U							
tert-Butylbenzene, Solid	ug/Kg	0.700	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	0.610	U							
sec-Butylbenzene, Solid	ug/Kg	0.940	U							
1,3-Dichlorobenzene, Solid	ug/Kg	1.430	U							
p-Isopropyltoluene, Solid	ug/Kg	0.950	U							
1,4-Dichlorobenzene, Solid	ug/Kg	1.150	U							
n-Butylbenzene, Solid	ug/Kg	0.810	U							

A 6.420
3.499
MC

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 213204

Report Date.: 07/12/2006

CUSTOMER: BL COMPANIES

PROJECT: BROOKLYN WHOLE FOODS

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		68088 -001		07/02/2006	1711

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dichlorobenzene, Solid	ug/Kg	0.890	U							
Naphthalene, Solid	ug/Kg	0.790	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

68088-1MB

Lab Name: STL-CT Contract:

Lab Code: STLCT Case No.: 213204 SAS No.: SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: 68088-1MB

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N7065

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/02/06

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

QUALITY CONTROL RESULTS

Job Number.: 213204

Report Date.: 07/11/2006

CUSTOMER: BL COMPANIES | PROJECT: BROOKLYN WHOLE FOODS | ATTN: Nick Tsacoyannis

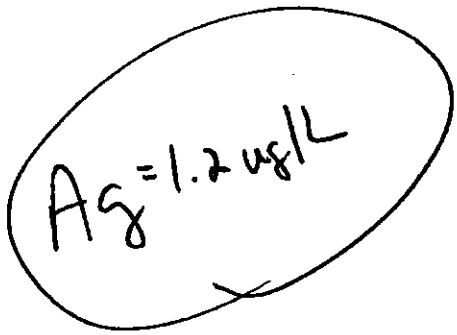
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		68269-009		07/06/2006	1217

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 68269

Analyst...: nnp

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	ug/L	92.0	U							
Antimony	ug/L	5.4	U							
Arsenic	ug/L	3.9	U							
Barium	ug/L	0.7	U							
Beryllium	ug/L	0.5	U							
Cadmium	ug/L	1.1	U							
Calcium	ug/L	56.0	U							
Chromium	ug/L	1.3	U							
Cobalt	ug/L	1.8	U							
Copper	ug/L	4.3	U							
Iron	ug/L	54.0	U							
Lead	ug/L	3.0	U							
Magnesium	ug/L	26.0	U							
Manganese	ug/L	6.9	U							
Nickel	ug/L	1.9	U							
Potassium	ug/L	191.0	U							
Selenium	ug/L	5.0	U							
Silver	ug/L	1.2	B							
Sodium	ug/L	98.0	U							
Thallium	ug/L	10.0	U							
Vanadium	ug/L	1.5	U							
Zinc	ug/L	11.0	U							



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

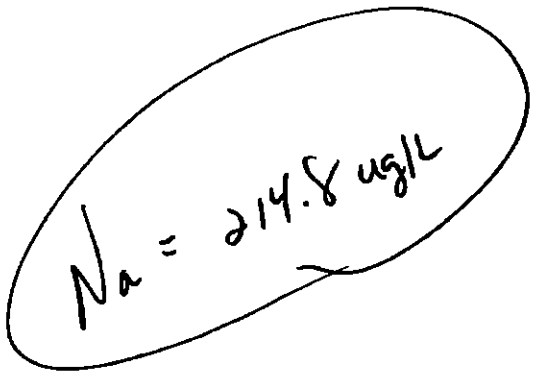
Job Number.: 213204 — Report Date.: 07/11/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		68269-033		07/06/2006	1441

Test Method.....: 6010B — Equipment Code....: ICAP1 — Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) — Batch.....: 68269

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	ug/L	92.0	U						
Antimony	ug/L	5.4	U						
Arsenic	ug/L	3.9	U						
Barium	ug/L	0.7	U						
Beryllium	ug/L	0.5	U						
Cadmium	ug/L	1.1	U						
Calcium	ug/L	56.0	U						
Chromium	ug/L	1.3	U						
Cobalt	ug/L	1.8	U						
Copper	ug/L	4.3	U						
Iron	ug/L	54.0	U						
Lead	ug/L	3.0	U						
Magnesium	ug/L	26.0	U						
Manganese	ug/L	6.9	U						
Nickel	ug/L	1.9	U						
Potassium	ug/L	191.0	U						
Selenium	ug/L	5.0	U						
Silver	ug/L	1.1	U						
Sodium	ug/L	214.8	B						
Thallium	ug/L	10.0	U						
Vanadium	ug/L	1.5	U						
Zinc	ug/L	11.0	U						



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 213204

Report Date.: 07/11/2006

CUSTOMER: BL COMPANIES | PROJECT: BROOKLYN WHOLE FOODS | ATTN: Nick Tsacoyannis

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M06FWRK006	68269-032		07/06/2006	1435

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 68269

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	ug/L	5170.54		5000.00		103	%	90-110	
Antimony	ug/L	501.78		500.00		100	%	90-110	
Arsenic	ug/L	517.47		500.00		103	%	90-110	
Barium	ug/L	505.16		500.00		101	%	90-110	
Beryllium	ug/L	497.49		500.00		99	%	90-110	
Cadmium	ug/L	514.99		500.00		103	%	90-110	
Calcium	ug/L	19854.94		18800.00		106	%	90-110	
Chromium	ug/L	516.22		500.00		103	%	90-110	
Cobalt	ug/L	515.88		500.00		103	%	90-110	
Copper	ug/L	497.66		500.00		100	%	90-110	
Iron	ug/L	5090.65		5000.00		102	%	90-110	
Lead	ug/L	513.34		500.00		103	%	90-110	
Magnesium	ug/L	18767.40		18800.00		100	%	90-110	
Manganese	ug/L	518.06		500.00		104	%	90-110	
Nickel	ug/L	519.40		500.00		104	%	90-110	
Potassium	ug/L	37346.34		40000.00		93	%	90-110	
Selenium	ug/L	513.93		500.00		103	%	90-110	
Silver	ug/L	49.92		50.00		100	%	90-110	
Sodium	ug/L	35707.00		40000.00		89	%	90-110	
Thallium	ug/L	518.26		500.00		104	%	90-110	
Vanadium	ug/L	508.85		500.00		102	%	90-110	
Zinc	ug/L	521.10		500.00		104	%	90-110	

no qual - associated w/ QC

CCV

Page 18 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 213204

QUALITY CONTROL RESULTS

Report Date.: 07/11/2006

CUSTOMER: BL COMPANIES | PROJECT: BROOKLYN WHOLE FOODS | ATTN: Nick Tsacoyannis

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICB	Initial Calibration Blank		68269-004		07/06/2006	1147

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICAP1
Batch.....: 68269
Analyst...: nnp

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	ug/L	92.0	U							
Antimony	ug/L	5.4	U							
Arsenic	ug/L	3.9	U							
Barium	ug/L	0.7	U							
Beryllium	ug/L	0.5	U							
Cadmium	ug/L	1.1	U							
Calcium	ug/L	56.0	U							
Chromium	ug/L	1.3	U							
Cobalt	ug/L	1.8	U							
Copper	ug/L	4.3	U							
Iron	ug/L	54.0	U							
Lead	ug/L	3.0	U							
Magnesium	ug/L	26.0	U							
Manganese	ug/L	6.9	U							
Nickel	ug/L	1.9	U							
Potassium	ug/L	191.0	U							
Selenium	ug/L	5.0	U							
Silver	ug/L	1.6	B							
Sodium	ug/L	98.0	U							
Thallium	ug/L	10.0	U							
Vanadium	ug/L	1.5	U							
Zinc	ug/L	11.0	U							

ICB = Ag 1.6 ug/L

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 213204 Report Date.: 07/11/2006

CUSTOMER: BL COMPANIES PROJECT: BROOKLYN WHOLE FOODS ATTN: Nick Tsacoyannis

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISB	Interference Check Sample B	M06FWRK010	68269-007		07/06/2006	1205

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: mp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 68269

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum	ug/L	457826.281		500000.000		92		80-120	
Antimony	ug/L	588.941		600.000		98		80-120	
Arsenic	ug/L	99.677		100.000		100		80-120	
Barium	ug/L	478.016		500.000		96		80-120	
Beryllium	ug/L	450.758		500.000		90		80-120	
Cadmium	ug/L	906.002		1000.000		91		80-120	
Calcium	ug/L	422208.844		500000.000		84		80-120	
Chromium	ug/L	452.672		500.000		91		80-120	
Cobalt	ug/L	450.638		500.000		90		80-120	
Copper	ug/L	524.854		500.000		105		80-120	
Iron	ug/L	175344.062		200000.000		88		80-120	
Lead	ug/L	52.769		50.000		106		80-120	
Magnesium	ug/L	453438.625		500000.000		91		80-120	
Manganese	ug/L	457.577		500.000		92		80-120	
Nickel	ug/L	884.753		1000.000		88		80-120	
Selenium	ug/L	44.605		50.000		89		80-120	
Silver	ug/L	203.670		200.000		102		80-120	
Thallium	ug/L	56.958		100.000		57		80-120	
Vanadium	ug/L	459.780		500.000		92		80-120	
Zinc	ug/L	948.827		1000.000		95		80-120	

7/11/06

Page 29 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 213204

Report Date.: 07/11/2006

CUSTOMER: BL COMPANIES PROJECT: BROOKLYN WHOLE FOODS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		213213-3		07/06/2006	2018

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 68269

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	7213.09			7415.70	2.8		20.0	
Antimony, Solid	mg/Kg	1.88	U		1.88	U 638.3342		1370.1660	
Arsenic, Solid	mg/Kg	10.11	B		8.73	B 1002.5449		1466.3180	
Barium, Solid	mg/Kg	78.06			75.61	3.2		20.0	
Beryllium, Solid	mg/Kg	0.83	U		0.83	U 8.2528		600.9500	
Cadmium, Solid	mg/Kg	1.65	U		1.65	U 62.3446		1201.9000	
Calcium, Solid	mg/Kg	9983.75			15296.37	42.0		20.0	*
Chromium, Solid	mg/Kg	23.62			22.11	6.6		20.0	
Cobalt, Solid	mg/Kg	6.00			6.70	11.1		20.0	
Copper, Solid	mg/Kg	99.17			96.66	2.6		20.0	
Iron, Solid	mg/Kg	19738.14			19218.18	2.7		20.0	
Lead, Solid	mg/Kg	127.85			116.08	9.7		20.0	
Magnesium, Solid	mg/Kg	4272.42			4902.11	13.7		20.0	
Manganese, Solid	mg/Kg	292.59			396.62	30.2		20.0	*
Nickel, Solid	mg/Kg	17.26			17.55	1.7		20.0	
Potassium, Solid	mg/Kg	1013.44			1093.30	7.6		20.0	
Selenium, Solid	mg/Kg	2.65	U		2.65	U 1543.6502		1923.0400	
Silver, Solid	mg/Kg	0.53	U		0.53	U 14.2980		384.6080	
Sodium, Solid	mg/Kg	210.32			234.97	11.1		20.0	
Thallium, Solid	mg/Kg	6.89	U		6.89	U 764.0409		5011.9230	
Vanadium, Solid	mg/Kg	24.31			24.20	0.4		20.0	
Zinc, Solid	mg/Kg	93.59			85.04	9.6		20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 213204 — Report Date.: 07/11/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M04AWRK013	213213-3		07/06/2006	2024

Test Method.....: 6010B — Equipment Code....: ICAP1 — Analyst...: nmp
Method Description.: Metals Analysis (ICAP Trace) — Batch.....: 68269

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	7481.97		94.21	7415.70	70		75-125	4
Antimony, Solid	mg/Kg	2.94	B	9.42	1.34	U 31		75-125	N
Arsenic, Solid	mg/Kg	11.63		3.77	8.73	B 77		75-125	
Barium, Solid	mg/Kg	172.14		94.21	75.61	102		75-125	
Beryllium, Solid	mg/Kg	3.06		2.36	0.59	U 130		75-125	N
Cadmium, Solid	mg/Kg	5.60		4.71	1.18	U 119		75-125	
Calcium, Solid	mg/Kg	11785.52		471.10	15296.37	-745		75-125	4
Chromium, Solid	mg/Kg	31.49		9.42	22.11	100		75-125	
Cobalt, Solid	mg/Kg	32.40		23.55	6.70	109		75-125	
Copper, Solid	mg/Kg	109.32		11.78	96.66	107		75-125	4
Iron, Solid	mg/Kg	18962.37		47.11	19218.18	-543		75-125	4
Lead, Solid	mg/Kg	117.36		1.88	116.08	68		75-125	4
Magnesium, Solid	mg/Kg	4742.69		471.10	4902.11	-34		75-125	4
Manganese, Solid	mg/Kg	329.09		23.55	396.62	-287		75-125	4
Nickel, Solid	mg/Kg	44.71		23.55	17.55	115		75-125	
Potassium, Solid	mg/Kg	1437.22		471.10	1093.30	73		75-125	N
Selenium, Solid	mg/Kg	4.82	B	4.71	1.88	U 102		75-125	
Silver, Solid	mg/Kg	2.49	B	2.36	0.38	U 106		75-125	
Sodium, Solid	mg/Kg	854.37		471.10	234.97	131		75-125	N
Thallium, Solid	mg/Kg	5.53	B	4.91	4.91	U 117		75-125	
Vanadium, Solid	mg/Kg	49.58		23.55	24.20	108		75-125	
Zinc, Solid	mg/Kg	117.98		23.55	85.04	140		75-125	N

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 213204 — Report Date.: 07/11/2006

CUSTOMER: BL COMPANIES — PROJECT: BROOKLYN WHOLE FOODS — ATTN: Nick Tsacoyannis

Test Method.....: ASTM D-2216 — Batch.....: 68101 — Analyst...: rlm
Method Description.: — Equipment Code....: — Test Code.: %MOIST
Parameter.....: % Moisture

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MD	213203-14		%	34.90000			33.30000	4.7			20.0	07/03/2006	0000
MD	213213-3		%	27.90000			27.30000	2.2			20.0	07/03/2006	0000
MD	213203-18		%	35.50000			35.10000	1.1			20.0	07/03/2006	0000

Test Method.....: ASTM D-2216 — Batch.....: 68101 — Analyst...: rlm
Method Description.: — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MD	213203-14		%	65.10000			66.70000	2.4			20.0	07/03/2006	0000
MD	213203-18		%	64.50000			64.90000	0.6			20.0	07/03/2006	0000
MD	213213-3		%	72.10000			72.70000	0.8			20.0	07/03/2006	0000

Test Method.....: 7471A — Batch.....: 68178 — Analyst...: nnp
Method Description.: Mercury (CVAA) Solids — 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
ICV	68178-001	M06FWRK001	ug/L	518.00			500.00			104			80-120	07/05/2006	1212
ICB	68178-002		ug/L	0.1	U									07/05/2006	1214
CCV	68178-011	M06FWRK001	ug/L	514.96			500.00			103		%	80-120	07/05/2006	1226
CCB	68178-012		ug/L	0.1	U									07/05/2006	1227
CCV	68178-022	M06FWRK001	ug/L	484.58			500.00			97		%	80-120	07/05/2006	1237
CCB	68178-023		ug/L	0.1	U									07/05/2006	1238
MB	68099 -001		mg/Kg	0.015	U									07/05/2006	1239
LCS	68099 -002	M06ALCS003	mg/Kg	2.09			2.32			90		%	68.1-131.	07/05/2006	1240
MD	213192-2		mg/Kg	0.02	B			0.02	B	1.7639			13.2360	07/05/2006	1244
MS	213192-2	M04AWRK011	mg/Kg	0.16			0.15	0.02	B	95			75-125	07/05/2006	1244
CCV	68178-032	M06FWRK001	ug/L	489.38			500.00			98		%	80-120	07/05/2006	1250
CCB	68178-033		ug/L	0.1	B									07/05/2006	1252
CCV	68178-043	M06FWRK001	ug/L	450.63			500.00			90		%	80-120	07/05/2006	1305
CCB	68178-044		ug/L	0.1	U									07/05/2006	1306
CCV	68178-053	M06FWRK001	ug/L	463.07			500.00			93		%	80-120	07/05/2006	1319
CCB	68178-054		ug/L	0.1	U									07/05/2006	1321
CCV	68178-063	M06FWRK001	ug/L	457.87			500.00			92		%	80-120	07/05/2006	1333
CCB	68178-064		ug/L	0.1	U									07/05/2006	1334
CCV	68178-072	M06FWRK001	ug/L	426.57			500.00			85		%	80-120	07/05/2006	1347
CCB	68178-073		ug/L	0.1	U									07/05/2006	1349
CCV	68178-083	M06FWRK001	ug/L	461.11			500.00			92		%	80-120	07/05/2006	1433
CCB	68178-084		ug/L	0.1	U									07/05/2006	1435
CCV	68178-085	M06FWRK001	ug/L	462.95			500.00			93		%	80-120	07/05/2006	1440
CCB	68178-086		ug/L	0.1	U									07/05/2006	1441
CCV	68178-093	M06FWRK001	ug/L	450.55			500.00			90		%	80-120	07/05/2006	1451
CCB	68178-094		ug/L	0.1	U									07/05/2006	1452

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	2FP %REC	#	FBP %REC	#	NBZ %REC	#	PHL %REC	#	TBP %REC	#	TPH %REC	#			TOT OUT
1	MSB87	A6B2216501	60		75		68		66		72		80				0
2	PS-1	A6757701	68		72		66		70		70		74				0
3	PS-2	A6757702	0	D	0	D	0	D	0	D	0	D	0	D			0
4	SBLK87	A6B2216502	60		71		66		65		72		87				0

			QC LIMITS
2FP	=	2-Fluorophenol	(30-120)
FBP	=	2-Fluorobiphenyl	(45-120)
NBZ	=	Nitrobenzene-D5	(35-120)
PHL	=	Phenol-D5	(40-120)
TBP	=	2,4,6-Tribromophenol	(46-129)
TPH	=	p-Terphenyl-d14	(54-135)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

PS-2: all BNA surr dil-out (ow) (10x)

12.7 / 406

SEMIVOLATILE 3RD ED: 50NG CONT
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A6I0001623-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Intrument ID: HP5973V Calibration Dates(s): 06/19/2006 06/19/2006

Calibration Times: 10:34 12:17

Lab File ID: RRF10 = V15389.RR RRF50 = V15388.RR
RRF80 = V15390.RR RRF120 = V15391.RR RRF160 = V15392.RR

COMPOUND		RRF10	RRF50	RRF80	RRF120	RRF160	AVG RRF	% RSD
Phenol	*	2.328	2.300	2.225	2.356	2.289	2.2990	2.100*
Bis(2-chloroethyl) ether		1.799	1.745	1.656	1.779	1.713	1.7380	3.200
2-Chlorophenol		1.569	1.516	1.444	1.540	1.470	1.5080	3.400
2-Methylphenol		1.450	1.454	1.388	1.477	1.428	1.4390	2.300
2,2'-Oxybis(1-Chloropropane		3.020	2.949	2.808	3.016	2.867	2.9320	3.200
4-Methylphenol		1.544	1.583	1.505	1.608	1.551	1.5580	2.500
N-Nitroso-Di-n-propylamine	#	1.379	1.394	1.343	1.421	1.363	1.3800	2.100#
Hexachloroethane		0.716	0.694	0.650	0.695	0.647	0.6800	4.500
Nitrobenzene		0.511	0.497	0.478	0.512	0.483	0.4960	3.200
Isophorone		0.869	0.881	0.850	0.917	0.866	0.8770	2.900
2-Nitrophenol	*	0.207	0.211	0.205	0.222	0.206	0.2100	3.200*
2,4-Dimethylphenol		0.401	0.405	0.392	0.424	0.392	0.4030	3.300
Bis(2-chloroethoxy) methane		0.521	0.515	0.493	0.522	0.494	0.5090	2.800
2,4-Dichlorophenol	*	0.330	0.333	0.320	0.344	0.321	0.3290	3.000*
Naphthalene		1.104	1.091	1.043	1.123	1.053	1.0830	3.100
4-Chloroaniline		0.444	0.460	0.435	0.468	0.432	0.4480	3.500
Hexachlorobutadiene	*	0.218	0.208	0.196	0.211	0.197	0.2060	4.600*
4-Chloro-3-methylphenol	*	0.341	0.355	0.344	0.372	0.348	0.3520	3.500*
2-Methylnaphthalene		0.765	0.771	0.727	0.780	0.741	0.7570	2.900
Hexachlorocyclopentadiene	#	0.312	0.365	0.359	0.392	0.375	0.3600	8.300#
2,4,6-Trichlorophenol	*	0.370	0.383	0.367	0.398	0.372	0.3780	3.400*
2,4,5-Trichlorophenol		0.394	0.417	0.400	0.431	0.404	0.4090	3.600
2-Chloronaphthalene		1.182	1.176	1.119	1.203	1.122	1.1600	3.200
2-Nitroaniline		0.391	0.423	0.413	0.449	0.417	0.4190	5.000
Dimethyl phthalate		1.397	1.372	1.321	1.414	1.322	1.3650	3.100
Acenaphthylene		1.857	1.819	1.757	1.896	1.778	1.8210	3.100
2,6-Dinitrotoluene		0.302	0.324	0.313	0.333	0.311	0.3170	3.800
3-Nitroaniline		0.318	0.347	0.332	0.358	0.336	0.3380	4.500
Acenaphthene	*	1.099	1.101	1.040	1.112	1.052	1.0810	3.000*
2,4-Dinitrophenol	#	0.079	0.114	0.149	0.167	0.186	0.1390	30.900#
4-Nitrophenol	#	0.197	0.217	0.208	0.230	0.216	0.2140	5.600#
Dibenzofuran		1.761	1.726	1.658	1.778	1.677	1.7200	3.000
2,4-Dinitrotoluene		0.437	0.446	0.425	0.459	0.427	0.4390	3.300
Diethyl phthalate		1.357	1.346	1.267	1.354	1.275	1.3200	3.400
4-Chlorophenyl phenyl ether		0.682	0.677	0.642	0.692	0.648	0.6680	3.300
Fluorene		1.368	1.396	1.330	1.445	1.361	1.3800	3.100
4-Nitroaniline		0.318	0.356	0.344	0.367	0.346	0.3460	5.200

RRF 70.05

127A/406

SEMIVOLATILE 3RD ED: 50NG CONT
INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A6I0001623-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Intrument ID: HP5973V Calibration Dates(s): 06/19/2006 06/19/2006

Calibration Times: 10:34 12:17

Lab File ID: RRF10 = V15389.RR RRF50 = V15388.RR
RRF80 = V15390.RR RRF120 = V15391.RR RRF160 = V15392.RR

COMPOUND		RRF10	RRF50	RRF80	RRF120	RRF160	AVG RRF	% RSD
4,6-Dinitro-2-methylphenol		0.114	0.135	0.150	0.164	0.159	0.1440	13.900
N-nitrosodiphenylamine	*	0.621	0.604	0.596	0.618	0.589	0.6060	2.300*
4-Bromophenyl phenyl ether		0.230	0.232	0.220	0.240	0.217	0.2280	4.200
Hexachlorobenzene		0.264	0.255	0.236	0.259	0.234	0.2500	5.500
Pentachlorophenol	*	0.155	0.214	0.159	0.170	0.161	0.1720	14.000*
Phenanthrene		1.336	1.279	1.212	1.331	1.218	1.2750	4.600
Anthracene		1.268	1.313	1.233	1.346	1.242	1.2800	3.800
Di-n-butyl phthalate		1.349	1.489	1.440	1.565	1.444	1.4580	5.400
Fluoranthene	*	1.418	1.476	1.401	1.552	1.422	1.4540	4.200*
Pyrene		1.323	1.370	1.273	1.392	1.319	1.3350	3.500
Butyl benzyl phthalate		0.589	0.630	0.584	0.640	0.596	0.6080	4.200
3,3'-Dichlorobenzidine		0.473	0.465	0.474	0.454	0.467	0.4660	1.700
Benzo(a)anthracene		1.325	1.361	1.265	1.381	1.286	1.3240	3.700
Chrysene		1.290	1.267	1.151	1.268	1.208	1.2370	4.600
Bis(2-ethylhexyl) phthalate		0.834	0.900	0.842	0.907	0.845	0.8660	4.000
Di-n-octyl phthalate	*	1.344	1.544	1.429	1.560	1.478	1.4710	6.000*
Benzo(b)fluoranthene		1.285	1.381	1.207	1.283	1.310	1.2930	4.800
Benzo(k)fluoranthene		1.350	1.196	1.240	1.349	1.125	1.2520	7.800
Benzo(a)pyrene	*	1.179	1.202	1.158	1.224	1.149	1.1820	2.600*
Indeno(1,2,3-cd)pyrene		1.273	1.277	1.273	1.357	1.294	1.2950	2.800
Dibenzo(a,h)anthracene		1.101	1.106	1.092	1.163	1.110	1.1140	2.500
Benzo(ghi)perylene		1.070	1.090	1.086	1.160	1.121	1.1050	3.200
Carbazole		1.172	1.198	1.148	1.255	1.165	1.1870	3.500
Nitrobenzene-D5		0.529	0.470	0.499	0.492	0.509	0.5000	4.300
2-Fluorobiphenyl		1.444	1.303	1.386	1.339	1.388	1.3720	3.900
p-Terphenyl-d14		0.995	0.920	0.939	0.927	0.972	0.9510	3.400
Phenol-D5		2.211	1.996	2.103	2.069	2.183	2.1120	4.100
2-Fluorophenol		1.598	1.479	1.539	1.521	1.589	1.5450	3.200
2,4,6-Tribromophenol		0.112	0.109	0.114	0.114	0.114	0.1130	1.800

Comments:

RRF 0.05

Response Factor Report HP5973V

Method : C:\MSDCHEM\1\METHODS\8270.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Mon Jun 19 12:46:57 2006
Response via : Initial Calibration

T-195 I-1603

Calibration Files
50 =V15388.D 20 =V15389.D 80 =V15390.D
120 =V15391.D 160 =V15392.D

			Compound	50	20	80	120	160	Avg	%RSD
1)	I	CI30	1,4-Dichlorobenz	ISTD						
2)	T	C705	n-nitrosodidimet	1.133	1.116	1.088	1.182	1.102	1.124	3.23
3)	S	CS50	2-Fluorophenol	1.479	1.598	1.539	1.520	1.589	1.545	3.18
4)	T	C325	bis(2-Chloroethy	1.745	1.799	1.656	1.779	1.713	1.738	3.25
5)	S	CS45	Phenol-d5	1.996	2.211	2.103	2.069	2.183	2.112	4.13
6)	S	CS70	2-chlorophenol-d	1.472	1.620	1.544	1.516	1.572	1.545	3.64
7)	MC	C315	Phenol	2.300	2.328	2.224	2.356	2.289	2.299	2.15
8)	M	C330	2-Chlorophenol	1.516	1.569	1.444	1.540	1.470	1.508	3.38
9)	T	C320	aniline	2.669	2.986	2.714	2.715	2.708	2.758	4.66
10)	T	C335	1,3-Dichlorobenz	1.727	1.762	1.623	1.739	1.636	1.697	3.71
11)	MC	C340	1,4-Dichlorobenz	1.748	1.803	1.650	1.788	1.668	1.731	4.00
12)	S	CS75	1,2-dichlorobenz	0.958	1.048	0.983	0.961	0.992	0.988	3.65
13)	T	C350	1,2-Dichlorobenz	1.657	1.695	1.551	1.663	1.568	1.627	3.89
14)	T	C345	Benzyl alcohol	1.074	1.104	1.130	1.127	1.173	1.122	3.24
15)	T	C360	bis(2-chloroisop	2.949	3.020	2.808	3.016	2.867	2.932	3.18
16)	T	C355	2-Methylphenol	1.454	1.449	1.388	1.477	1.428	1.439	2.33
17)	T	C375	Hexachloroethane	0.694	0.716	0.650	0.695	0.647	0.680	4.52
18)	M	C370	N-Nitroso-di-n-p	1.394	1.379	1.343	1.420	1.363	1.380	2.13
19)	T	C365	4-Methylphenol	1.583	1.544	1.505	1.608	1.551	1.558	2.53
20)	I	CI40	Naphthalene-d8	ISTD						
1)	S	CS20	Nitrobenzene-d5	0.470	0.529	0.499	0.492	0.509	0.500	4.31
22)	T	C410	Nitrobenzene	0.497	0.511	0.478	0.512	0.483	0.496	3.18
23)	T	C415	Isophorone	0.881	0.868	0.850	0.917	0.866	0.877	2.87
24)	T	C430	benzoic acid	0.223	0.091	0.310	0.409	0.467	-----	
								L	M= 1.017	R=0.991
									B= -3.512	
25)	TC	C420	2-Nitrophenol	0.211	0.207	0.205	0.221	0.206	0.210	3.19
26)	T	C425	2,4-Dimethylphen	0.405	0.401	0.392	0.424	0.392	0.403	3.29
27)	T	C435	bis(2-Chloroetho	0.515	0.521	0.493	0.522	0.494	0.509	2.78
28)	T	C440	2,4-Dichlorophen	0.332	0.330	0.320	0.344	0.320	0.329	2.96
29)	M	C445	1,2,4-Trichlorob	0.358	0.378	0.341	0.364	0.338	0.356	4.64
30)	T	C450	Naphthalene	1.091	1.104	1.043	1.123	1.053	1.083	3.12
31)	T	C455	4-Chloroaniline	0.460	0.444	0.435	0.468	0.432	0.448	3.55
32)	TC	C460	Hexachlorobutadi	0.208	0.218	0.196	0.211	0.197	0.206	4.57
33)	MC	C465	4-Chloro-3-methy	0.355	0.341	0.344	0.371	0.347	0.352	3.47
34)	T	C470	2-Methylnaphthal	0.771	0.764	0.727	0.780	0.741	0.757	2.87
35)	I	CI50	Acenaphthene-d8	ISTD						
36)	T	C510	Hexachlorocyclop	0.365	0.312	0.359	0.392	0.375	0.360	8.31
37)	TC	C515	2,4,6-Trichlorop	0.383	0.370	0.367	0.397	0.372	0.378	3.36
38)	T	C520	2,4,5-Trichlorop	0.417	0.394	0.400	0.431	0.404	0.409	3.59
39)	S	CS25	2-Fluorobiphenyl	1.303	1.444	1.385	1.339	1.388	1.372	3.90
40)	T	C525	2-Chloronaphthal	1.176	1.182	1.118	1.203	1.122	1.160	3.25
41)	T	C530	2-Nitroaniline	0.423	0.391	0.413	0.449	0.416	0.419	5.00
42)	M	C540	Acenaphthylene	1.819	1.857	1.757	1.896	1.778	1.821	3.11
43)	T	C535	Dimethylphthalat	1.372	1.397	1.321	1.414	1.322	1.365	3.12
44)	T	C542	2,6-Dinitrotolue	0.324	0.302	0.313	0.333	0.311	0.317	3.82
45)	TC	C550	Acenaphthene	1.101	1.098	1.040	1.112	1.052	1.081	2.98
46)	T	C545	3-Nitroaniline	0.347	0.318	0.332	0.358	0.336	0.338	4.50
47)	TC	C555	2,4-Dinitropheno	0.114	0.079	0.149	0.167	0.186	-----	
								L	M= 0.243	R=0.993
									B= -0.235	
48)	T	C565	Dibenzofuran	1.726	1.761	1.658	1.778	1.677	1.720	3.02
49)	M	C570	2,4-Dinitrotolue	0.446	0.437	0.425	0.459	0.427	0.439	3.28

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Response Factor Report HP5973V

Method : C:\MSDCHEM\1\METHODS\8270.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Mon Jun 19 12:46:57 2006
Response via : Initial Calibration

Calibration Files
50 =V15388.D 20 =V15389.D 80 =V15390.D
120 =V15391.D 160 =V15392.D

		Compound		50	20	80	120	160	Avg	%RSD
50)	M	C560	4-Nitrophenol	0.217	0.197	0.208	0.230	0.216	0.214	5.65
51)	T	C590	Fluorene	1.396	1.368	1.330	1.445	1.360	1.380	3.13
52)	T	C585	4-Chlorophenyl-p	0.677	0.682	0.642	0.692	0.648	0.668	3.28
53)	T	C580	Diethylphthalate	1.346	1.357	1.267	1.354	1.274	1.320	3.39
54)	T	C620	1,2 diphenylhydr	1.607	1.591	1.541	1.662	1.540	1.588	3.21
55)	T	C595	4-Nitroaniline	0.356	0.318	0.344	0.367	0.346	0.346	5.20
56)	I	CI60	Phenanthrene-d10	----------ISTD----------						
57)	T	C610	4,6-Dinitro-2-me	0.135	0.114	0.150	0.164	0.159	0.144	13.88
58)	TC	C615	n-Nitrosodipheny	0.604	0.621	0.596	0.618	0.589	0.606	2.27
59)	S	CS55	2,4,6-Tribromoph	0.109	0.112	0.114	0.114	0.114	0.113	1.80
60)	T	C625	4-Bromophenyl-ph	0.232	0.230	0.220	0.240	0.216	0.228	4.22
61)	T	C630	Hexachlorobenzen	0.254	0.264	0.236	0.259	0.234	0.250	5.47
62)	MC	C635	Pentachloropheno	0.214	0.155	0.159	0.170	0.161	0.172	14.02
63)	T	C640	Phenanthrene	1.279	1.336	1.212	1.331	1.218	1.275	4.65
64)	T	C645	Anthracene	1.313	1.268	1.233	1.346	1.242	1.280	3.76
65)	T	C647	carbazole	1.198	1.172	1.148	1.255	1.165	1.188	3.52
66)	T	C650	Di-n-butylphthal	1.489	1.349	1.440	1.565	1.444	1.458	5.40
67)	TC	C655	Fluoranthene	1.476	1.418	1.401	1.552	1.422	1.454	4.25
68)	I	CI70	Chrysene-d12	----------ISTD----------						
69)	M	C715	Pyrene	1.370	1.323	1.273	1.392	1.319	1.335	3.50
70)	T	C710	benzidine	0.477	0.517	0.476	0.406	0.404	0.456	10.81
71)	S	CS30	Terphenyl-d14	0.920	0.995	0.939	0.927	0.972	0.951	3.35
72)	T	C720	Butylbenzylphtha	0.630	0.589	0.584	0.639	0.596	0.608	4.16
73)	T	C725	3,3'-Dichloroben	0.464	0.473	0.474	0.454	0.467	0.466	1.72
74)	T	C730	Benzo[a]anthrace	1.361	1.325	1.265	1.381	1.286	1.324	3.69
75)	T	C735	Chrysene	1.267	1.290	1.151	1.268	1.208	1.237	4.61
76)	T	C740	bis(2-Ethylhexyl	0.900	0.834	0.842	0.907	0.845	0.866	4.05
77)	TC	C760	Di-n-octylphthal	1.544	1.344	1.429	1.560	1.478	1.471	6.02
78)	I	CI75	Perylene-d12	----------ISTD----------						
79)	T	C765	Benzo[b]fluorant	1.381	1.285	1.206	1.283	1.310	1.293	4.84
80)	T	C770	Benzo[k]fluorant	1.196	1.350	1.240	1.349	1.125	1.252	7.83
81)	TC	C775	Benzo[a]pyrene	1.202	1.179	1.158	1.224	1.149	1.182	2.62
82)	T	C780	Indeno[1,2,3-cd]	1.277	1.273	1.273	1.357	1.293	1.295	2.77
83)	T	C785	Dibenz[a,h]anthr	1.106	1.101	1.092	1.163	1.110	1.114	2.52
84)	T	C790	Benzo[g,h,i]pery	1.089	1.070	1.086	1.160	1.121	1.105	3.22

Total Average %RSD 4.07

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

SEMIVOLATILE 3RD ED: 50NG CONT
CONTINUING CALIBRATION CHECK

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6C0005297-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Lab File Id: V15690.RR Calibration Date: 07/05/2006 Time: 09:11

Intrument ID: HP5973V Init. Calib. Date(s): 06/19/2006 06/19/2006

Init. Calib. Times: 10:34 12:17

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Phenol	2.2990	2.2103	0.0500	3.900	20.00
Bis(2-chloroethyl) ether	1.7380	1.6474	0.0500	5.200	25.00
2-Chlorophenol	1.5080	1.4556	0.0500	3.500	25.00
2-Methylphenol	1.4390	1.3904	0.0500	3.400	25.00
2,2'-Oxybis(1-Chloropropane)	2.9320	3.0233	0.0500	-3.100	25.00
4-Methylphenol	1.5580	1.5174	0.0500	2.600	25.00
N-Nitroso-Di-n-propylamine	1.3800	1.3871	0.0500	-0.500	25.00
Hexachloroethane	0.6800	0.6796	0.0500	0.100	25.00
Nitrobenzene	0.4960	0.5128	0.0500	-3.400	25.00
Isophorone	0.8770	0.8911	0.0500	-1.600	25.00
2-Nitrophenol	0.2100	0.2049	0.0500	2.400	20.00
2,4-Dimethylphenol	0.4030	0.4064	0.0500	-0.800	25.00
Bis(2-chloroethoxy) methane	0.5090	0.4994	0.0500	1.900	25.00
2,4-Dichlorophenol	0.3290	0.3300	0.0500	-0.300	20.00
Naphthalene	1.0830	1.0550	0.0500	2.600	25.00
4-Chloroaniline	0.4480	0.4374	0.0500	2.400	25.00
Hexachlorobutadiene	0.2060	0.2131	0.0500	-3.400	20.00
4-Chloro-3-methylphenol	0.3520	0.3566	0.0500	-1.300	20.00
2-Methylnaphthalene	0.7570	0.7572	0.0500	0.000	25.00
Hexachlorocyclopentadiene	0.3600	0.3327	0.0500	7.600	25.00
2,4,6-Trichlorophenol	0.3780	0.3834	0.0500	-1.400	25.00
2,4,5-Trichlorophenol	0.4090	0.4075	0.0500	0.400	25.00
2-Chloronaphthalene	1.1600	1.1518	0.0500	0.700	25.00
2-Nitroaniline	0.4190	0.4500	0.0500	-7.400	25.00
Dimethyl phthalate	1.3650	1.3892	0.0500	-1.800	25.00
Acenaphthylene	1.8210	1.8003	0.0500	1.100	25.00
2,6-Dinitrotoluene	0.3170	0.3214	0.0500	-1.400	25.00
3-Nitroaniline	0.3380	0.3380	0.0500	0.000	25.00
Acenaphthene	1.0810	1.0964	0.0500	-1.400	20.00
2,4-Dinitrophenol	0.1390	0.1098	0.0500	21.000	40.00
4-Nitrophenol	0.2140	0.2266	0.0500	-5.900	40.00
Dibenzofuran	1.7200	1.7111	0.0500	0.500	25.00
2,4-Dinitrotoluene	0.4390	0.4492	0.0500	-2.300	25.00
Diethyl phthalate	1.3200	1.3836	0.0500	-4.800	25.00
4-Chlorophenyl phenyl ether	0.6680	0.6765	0.0500	-1.300	25.00
Fluorene	1.3800	1.3833	0.0500	-0.200	25.00
4-Nitroaniline	0.3460	0.3099	0.0500	10.400	25.00
4,6-Dinitro-2-methylphenol	0.1440	0.1388	0.0500	3.600	40.00
N-nitrosodiphenylamine	0.6060	0.5978	0.0500	1.400	20.00

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SEMIVOLATILE 3RD ED: 50NG CONT
CONTINUING CALIBRATION CHECK

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6C0005297-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Lab File Id: V15690.RR Calibration Date: 07/05/2006 Time: 09:11

Intrument ID: HP5973V Init. Calib. Date(s): 06/19/2006 06/19/2006

Init. Calib. Times: 10:34 12:17

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
4-Bromophenyl phenyl ether	0.2280	0.2235	0.0500	2.000	25.00
Hexachlorobenzene	0.2500	0.2425	0.0500	3.000	25.00
Pentachlorophenol	0.1720	0.1633	0.0500	5.100	20.00
Phenanthrene	1.2750	1.2658	0.0500	0.700	25.00
Anthracene	1.2800	1.2504	0.0500	2.300	25.00
Di-n-butyl phthalate	1.4580	1.4936	0.0500	-2.400	25.00
Fluoranthene	1.4540	1.4763	0.0500	-1.500	20.00
Pyrene	1.3350	1.2942	0.0500	3.100	25.00
Butyl benzyl phthalate	0.6080	0.6251	0.0500	-2.800	25.00
3,3'-Dichlorobenzidine	0.4660	0.5171	0.0500	-11.000	25.00
Benzo(a)anthracene	1.3240	1.3131	0.0500	0.800	25.00
Chrysene	1.2370	1.2198	0.0500	1.400	25.00
Bis(2-ethylhexyl) phthalate	0.8660	0.9050	0.0500	-4.500	25.00
Di-n-octyl phthalate	1.4710	1.5769	0.0500	-7.200	20.00
Benzo(b)fluoranthene	1.2930	1.2852	0.0500	0.600	25.00
Benzo(k)fluoranthene	1.2520	1.2622	0.0500	-0.800	40.00
Benzo(a)pyrene	1.1820	1.1848	0.0500	-0.200	20.00
Indeno(1,2,3-cd)pyrene	1.2950	1.2588	0.0500	2.800	25.00
Dibenzo(a,h)anthracene	1.1140	1.0757	0.0500	3.400	25.00
Benzo(ghi)perylene	1.1050	1.0448	0.0500	5.400	25.00
Carbazole	1.1870	1.1474	0.0500	3.300	100.00
Nitrobenzene-D5	0.5000	0.5167	0.0500	-3.300	25.00
2-Fluorobiphenyl	1.3720	1.4213	0.0500	-3.600	25.00
p-Terphenyl-d14	0.9510	0.9740	0.0500	-2.400	25.00
Phenol-D5	2.1120	2.0904	0.0500	1.000	25.00
2-Fluorophenol	1.5450	1.5351	0.0500	0.600	25.00
2,4,6-Tribromophenol	0.1130	0.1153	0.0500	-2.000	25.00

148 B/404

SEMIVOLATILE 3RD ED: 50NG CONT
CONTINUING CALIBRATION CHECK

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6C0005297-2

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: 213204

Lab File Id: V15691.RR Calibration Date: 07/05/2006 Time: 09:36

Intrument ID: HP5973V Init. Calib. Date(s): 05/17/2006 05/17/2006

Init. Calib. Times: 13:21 15:02

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Atrazine	0.2150	0.2005	0.0500	6.700	100.00
Caprolactam	0.1120	0.1060	0.0500	5.400	40.00
Acetophenone	2.2600	2.1615	0.0500	4.400	100.00
Biphenyl	1.6470	1.3589	0.0500	17.500	100.00
Benzaldehyde	1.5500	1.4562	0.0500	6.000	100.00

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SBLK87

1 Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

Matrix: (soil/water) SOIL Lab Sample ID: A6B2216502

Sample wt/vol: 30.29 (g/mL) G Lab File ID: V15707.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	5.43	130	J

- Some VOC TICs - not reported - fmb

No unknowns @ RT 5.43 in samples ✓

METHOD 8082 - POLYCHLORINATED BIPHENYLS
SOIL SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 213204

GC Column(1): ZB-5 ID: 0.53 (mm)

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	DCBP %REC	#	TCMX %REC	#							TOT OUT
1	Matrix Spike Blank	A6B2216401	96		93								0
2	Method Blank	A6B2216402	109		78								0
3	PS-1	A6757701	78		66								0
4	PS-2	A6757702	344	*	36								1

QC LIMITS

(DCBP) = Decachlorobiphenyl (36-153)
(TCMX) = Tetrachloro-m-xylene (32-148)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

out - does not meet 3.4 qualifier criteria

CONFIRMATION COLUMN

7A

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-19 A ICAL Date(s) Analyzed:

Column: ZB-35 03/14/2006 to: 03/14/2006

CCV ID: ICM66NL Date/Time: 07/05/2006 09:52

FILE ID: H:\TURBO6\5890-19\19A60090.raw

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ng)	Amt.(ng)	% D
TMX	1.78	1.70	1.86	0.0327	0.0300	8.8
AR1016	2.63	2.55	2.71	0.5815	0.500	16.3 *
AR1260	4.83	4.75	4.91	0.5217	0.500	4.3
DCBP	6.03	5.95	6.11	0.0305	0.0300	1.7

Ave %D = 7.8

* Value >15.0% Difference

7A

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-19 B ICAL Date(s) Analyzed:

Column: ZB-5 03/14/2006 to: 03/14/2006

CCV ID: ICM66NL Date/Time: 07/05/2006 09:52

FILE ID: H:\TURBO6\5890-19\19B60090.raw

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ng)	Amt.(ng)	% D
TMX	1.55	1.47	1.63	0.0350	0.0300	16.5 *
AR1016	2.50	2.42	2.58	0.5762	0.500	15.2 *
AR1260	4.63	4.55	4.71	0.5350	0.500	7.0
DCBP	5.79	5.71	5.87	0.0302	0.0300	0.7

Ave %D = 9.9

* Value >15.0% Difference

7A

CONFIRMATION COLUMN

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-19 A ICAL Date(s) Analyzed:

Column: ZB-35 03/14/2006 to: 03/14/2006

CCV ID: ICM54VF Date/Time: 07/05/2006 16:07

FILE ID: H:\TURBO6\5890-19\19A60103.raw

		INITIAL	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ng)	Amt.(ng)	% D
TMX	1.78	1.70	1.86	0.0323	0.0300	7.5
AR1254	3.97	3.89	4.05	0.5769	0.500	15.4 *
DCBP	6.04	5.96	6.12	0.0349	0.0300	16.2 *

Ave %D = 13.0

* Value >15.0% Difference

7A

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: HP5890-19 B ICAL Date(s) Analyzed:

Column: ZB-5 03/14/2006 to: 03/14/2006

CCV ID: ICM54VF Date/Time: 07/05/2006 16:07

FILE ID: H:\TURBO6\5890-19\19B60103.raw

		INITIAL	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ng)	Amt.(ng)	% D
TMX	1.54	1.46	1.62	0.0351	0.0300	17.1 *
AR1254	3.81	3.73	3.89	0.5175	0.500	3.5
DCBP	5.80	5.72	5.88	0.0314	0.0300	4.6

Ave %D = 8.4

* Value >15.0% Difference

Date: 08/18/2006 12:14:42
Batch No: A6822164

MS/MSD Batch QC Results

Lab Sample ID: A6757403 A6757403MS A6757403SD

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.
DELTA - SOIL-ASPDO 8082 - PCBS												
Aroclor 1260	UG/KG	419	903	2629	346	1705	140 *	118	129	17	35.0	41-139
Aroclor 1016	UG/KG	0	1741	3318	346	1705	502 *	194 *	348	88 *	35.0	39-131

Batch QC

- no quals

2/3

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

Date: 08/18/2006 12:19:23
Batch No: A6822165

MS/MSD Batch QC Results

Dept: AM1392

Lab Sample ID: A6751801 A6751801MS A6751801SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS												
Phenol	UG/KG	0	2705	2689	3639	3608	74	74	74	0	25.0	34-120
2-Chlorophenol	UG/KG	0	2761	2853	3639	3608	76	79	78	4	26.0	37-120
N-Nitroso-Di-n-propylamine	UG/KG	0	2390	2653	3639	3608	66	74	70	11	20.0	46-120
4-Chloro-3-methylphenol	UG/KG	0	2114	2239	3639	3608	58	62	60	7	20.0	50-120
Acenaphthene	UG/KG	0	3622	3868	3639	3608	100	107	104	7	16.0	48-120
4-Nitrophenol	UG/KG	0	0	0	3639	3608	0 *	0 *	0	0	25.0	35-132
2,4-Dinitrotoluene	UG/KG	0	1202	1312	3639	3608	33 *	36 *	35	9	19.0	38-122
Pentachlorophenol	UG/KG	0	0	0	3639	3608	0 *	0 *	0	0	27.0	40-128
Pyrene	UG/KG	0	3654	4326	3639	3608	100	120	110	18	25.0	41-138

Batch QC

- no quals

3/3

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo