

APPENDIX Q

IMPORTED RCA, SAND, and STONE FILL DOCUMENTATION

1. Durante Bros. 10/25/05 facsimile indicating they do not accept any type of contaminated material and that they are a fully permitted D.O.S. and D.E.C. facility.
2. New York Dirt 05/16/06 letter to BWE RE: Imported Backfill
3. Langan's due diligence 10/03/05 sampling results for RCA source at Durante Bros
4. Laboratory Report and Chain-of-Custody documentation for sample date 10/03/05 RCA Source at Durante Bros. is on the CDs
5. Langan's 11/10/05 due diligence sampling results for RCA delivered to site from Durante Bros.
6. Laboratory Report and Chain-of-Custody documentation for sample date 11/10/05 RCA soil delivered to site from Durante Bros. is on the CDs
7. Langan's 01/20/06 due diligence sampling results for bank run sand imported from New York Sand and Stone.
8. Laboratory Report and Chain-of-Custody documentation for sample date 01/20/06 bank run sand imported from New York Sand and Stone is on the CDs

Durante Bros Construction Corp.
31-40 123rd Street
Flushing, NY 11354
Office/(718) 762-2500 Fax/(718) 762-2707

Re: Transfer station information and material analysis

To whom it may concern,

Durante Bros. Construction Corp has been operating a clean material recycling facility for over twenty years. Our Queens, NY transfer station only accepts material from clean earth excavations and broken concrete removal. Durante Bros does not accept any type of contaminated material. We are a fully permitted D.O.S and D.E.C facility. Any recycled material produced by our facility is made to spec as required for each individual job.

Enclosed is a copy of our D.E.C permit and our D.O.S. permit. Any questions please feel free to call me at the number given above.

Very Truly Yours,



Louis J Durante



**NEW YORK DIRT
CONTRACTING CORP.**

121 East Second Street, Mineola, New York 11501 • (516) 294-3217 • Fax (516) 294-1375

May 16, 2006

Blue Water Environmental
1610 New Highway
Farmingdale, NY 11735

RE: RIVER PLACE II-IMPORTED BACKFILL

Dear Mr. Sheehan:

As per our agreement to provide material to your company for the above referenced project, located at 600 West 42nd Street. All of the materials delivered to the project were provided by the following suppliers:

CRUSHED STONE- DURANTE BROS. CONSTRUCTION, 31-40 123RD STREET,
FLUSHING, NY.

RCA- DURANTE BROS. CONSTRUCTION, 31-40 123RD STREET, FLUSHING,
NY.

CLEAN BACKFILL- NEW YORK SAND & STONE, 63 FLUSHING AVENUE,
UNIT 311, BROOKLYN, NY.

SAND- NEW YORK SAND & STONE, 63 FLUSHING AVENUE, UNIT 311,
BROOKLYN, NY.

If you have any questions please don't hesitate to contact me.

Sincerely,

Edward Raffetto
President

ER:mf

*sworn to me on this 17th
day of May 2006.*

DORIS NATIJEHHASHEM
Notary Public, State of New York
No. 01NA6106424
Qualified in Nassau County
Commission Expires March 01, 2008

DORIS N.
Notary Public, State of New York
No. 01NA6106424
Qualified in Nassau County
Commission Expires March 01, 2008

APPENDIX Q
SUMMARY OF METAL, PCB, PESTICIDE, AND HERBICIDE DETECTIONS IN RCA-COMPOSITE SAMPLES COLLECTED FROM DURANTE BROTHERS
RIVER PLACE II
NEW YORK, NEW YORK

Langan Sample ID	NYSDEC TAGM	RP2-RCA-1-100305	RP2-RCA-2-100305	RP2-RCA-3-100305	RP2-RCA-4-100305
Lab Sample ID	Recommended	SA35156-01	SA35156-02	SA35156-03	SA35156-04
Sample Type	Soil Clean-up	Composite	Composite	Composite	Composite
Date Sampled	Objective	10/3/2005	10/3/2005	10/3/2005	10/3/2005
METALS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	SB	5800	6090	6030	5360
Arsenic	7.5 or SB	NA	NA	0.474 J	NA
Barium	300 or SB	62.8	32.6	35.6	26.3
Beryllium	0.16 or SB	0.46	0.454	0.484	0.468
Calcium	SB	1080	1,130	1330	1500
Chromium	10 or SB	10.6	12.2	11.2	10.4
Cobalt	30 or SB	4.69	3.99	3.96	4.06
Copper	25 or SB	14.2 J	13.1 J	14.2 J	17.4 J
Iron	2000 or SB	14700	14500	12200	14500
Lead	SB*	21.3	23.5	23.3	8.58
Magnesium	SB	2,000	2,070	2380	2400
Manganese	SB	399	186	225	258
Nickel	13 or SB	18.3	16.6	13.3	17.4
Potassium	SB	540	638	1,010	715
Sodium	SB	145 J	176 J	110 J	144 J
Vanadium	150 or SB	13.8	13	14.4	13.8
Zinc	20 or SB	33.5	37.4	35.7	30.8
PCBs	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Total PCBs	10000	-	-	-	-
Pesticides/Herbicides	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Chlordane	540	191	242	719	30.6 J
Total Pest. and Herb.	10000	191	242	719	30.6

QUALIFIERS:

J - Detected but below the reporting limit; therefore, result is an estimated concentration

NOTES:

1. NYSDEC TAGM - New York State Department of Environmental Conservation, Technical and Administrative Guidance Memorandum

2. NYSDEC exceedances are highlighted in BOLD.

3. Only compounds shown are limited to those detected in one or more samples.

4. * Background levels for lead vary widely. Avg. background levels in metropolitan or suburban areas or near highways range from 200-500 ppm.

SB - Site Background

mg/Kg - milligrams per kilogram

ug/Kg - micrograms per kilograms

APPENDIX Q
SUMMARY OF VOC AND SVOC DETECTIONS IN RCA-COMPOSITE SAMPLES COLLECTED FROM DURANTE BROTHERS
RIVER PLACE II
NEW YORK, NEW YORK

Langsam Sample ID Lab Sample ID Sample Depth (feet) Date Sampled Units	NYSDEC TAGM Recommended Soil Clean-up Objective ug/Kg	RP2-RCA-1-100305 SA35156-01 Composite 10/3/2005 ug/Kg	RP2-RCA-2-100305 SA35156-02 Composite 10/3/2005 ug/Kg	RP2-RCA-3-100305 SA35156-03 Composite 10/3/2005 ug/Kg	RP2-RCA-4-100305 SA35156-04 Composite 10/3/2005 ug/Kg
VOCs					
Acetone	200	69.5 J	63.2 J	52.5 J	60.4 J
Methylene chloride	100	8.8 J	10.7 J	14.1 J	9.6 J
2-Butanone (MEK)	300	6.6 J	NA	6.4 J	7.5 J
Total VOCs	10000	84.9	73.9	73	77.5
SVOCs					
Phenanthrene	50000*	17.1 J	75.8 J	57.7 J	NA
Anthracene	50000*	NA	37.9 J	29.6 J	NA
Fluoranthene	50000*	41.4 J	221	111 J	24.9 J
Pyrene	50000*	46.8 J	233	119 J	26.4 J
Benzo(a)anthracene	224 or MDL	25.7 J	104 J	45.7 J	NA
Chrysene	400	28.2 J	121 J	64.8 J	18.8 J
Benzo(b)fluoranthene	220 or MDL	25.4 J	124 J	54.3 J	NA
Benzo(k)fluoranthene	220 or MDL	22.5 J	79.7 J	31.1 J	NA
Benzo(a)pyrene	61 or MDL	25.4 J	104 J	42.3 J	NA
Indeno(1 2 3-cd)pyrene	3,200	20.4 J	74.4 J	33.3 J	NA
Dibenzo(a h)anthracene	14.3 or MDL	NA	14.9 J	NA	NA
Benzo(ghi)perylene	50000*	20 J	70.1 J	34.1 J	NA
Total SVOCs	500000	273	1260	623	70

QUALIFIERS:

J - Detected but below the reporting limit; therefore, result is an estimated concentration

NOTES:

1. NYSDEC TAGM - New York State Department of Environmental Conservation, Technical and Administrative Guidance Memorandum

2. NYSDEC exceedances are highlighted in BOLD.

3. Only compounds shown are limited to those detected in one or more samples.

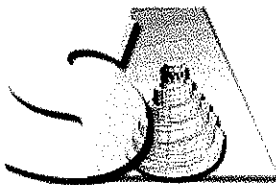
4. * As per TAGM, Total VOCs < 10 ppm., Total Semi-VOCs < 500ppm. and Individual Semi-VOCs < 50 ppm.

MDL - Method Detection Limit

ug/Kg - micrograms per kilograms

Report Date:
06-Oct-05 18:12

☒ Final Report



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Arjun Patney

Project: River Place II (RCA Source) - Flushing, NY
Project #: 5582403

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA35156-01	RP2-RCA-1-100305	Soil	03-Oct-05 14:00	04-Oct-05 09:06
SA35156-02	RP2-RCA-2-100305	Soil	03-Oct-05 14:10	04-Oct-05 09:06
SA35156-03	RP2-RCA-3-100305	Soil	03-Oct-05 14:20	04-Oct-05 09:06
SA35156-04	RP2-RCA-4-100305	Soil	03-Oct-05 14:30	04-Oct-05 09:06

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 39 pages of analytical data including Chain of Custody document(s).

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Massachusetts Certification # M-MA138/MA1110

Connecticut # PH-0777

Florida # E87600/E87936

Maine # MA138

New Hampshire # 2538/2972

New York # 11393/11840

Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification

RP2-RCA-1-100305

SA35156-01

Client Project #

5582403

Matrix

Soil

Collection Date/Time

03-Oct-05 14:00

Received

04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Lab extracted	N/A	1	VOC	04-Oct-05	04-Oct-05	5100222	BD	
<u>Volatile Organic Compounds</u>			Prepared by method	SW846 5035A Soil (low level)						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.7 µg/kg dry	1	SW 846 8260B	04-Oct-05	05-Oct-05	5100248	tim	
67-64-1	Acetone	69.5	94.4 µg/kg dry	1	"	"	"	"	"	VOC6, J
71-43-2	Benzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	6.6	47.2 µg/kg dry	1	"	"	"	"	"	VOC6, J
75-15-0	Carbon disulfide	BRL	23.6 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	9.4 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	47.2 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	8.8	47.2 µg/kg dry	1	"	"	"	"	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	9.4 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	94.6	70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	99.8	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	110	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	99.8	70-130 %		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method	SW846 3550B						
309-00-2	Aldrin	BRL	13.7 µg/kg dry	1	SW846 8081A	05-Oct-05	06-Oct-05	5100240	MP	
319-84-6	a-BHC	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
319-85-7	b-BHC	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
319-86-8	d-BHC	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
58-89-9	g-BHC (Lindane)	BRL	13.7 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 2 of 39

Sample Identification**RP2-RCA-1-100305**

SA35156-01

Client Project #

5582403

Matrix

Soil

Collection Date/Time

03-Oct-05 14:00

Received

04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method SW846 3550B							
57-74-9	Chlordane	191	68.5 µg/kg dry	1	SW846 8081A	05-Oct-05	06-Oct-05	5100240	MP	
72-54-8	4,4-DDD (p,p')	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
72-55-9	4,4-DDE (p,p')	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
50-29-3	4,4-DDT (p,p')	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
60-57-1	Dieldrin	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
959-98-8	Endosulfan I	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
33213-65-9	Endosulfan II	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
1031-07-8	Endosulfan Sulfate	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
72-20-8	Endrin	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
76-44-8	Heptachlor	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
72-43-5	Methoxychlor	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
1024-57-3	Heptachlor Epoxide	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
5103-71-9	a-Chlordane	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
5566-34-7	g-Chlordane	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
53494-70-5	Endrin Ketone	BRL	13.7 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	138	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	141	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>			Prepared by method SW846 3550B							
12674-11-2	PCB 1016	BRL	27.4 µg/kg dry	1	SW846 8082	05-Oct-05	06-Oct-05	5100241	SM/	
11104-28-2	PCB 1221	BRL	27.4 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	27.4 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	27.4 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	27.4 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	27.4 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	27.4 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	110	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	145	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>			Prepared by method SW846 3550B							
94-75-7	2,4-D	BRL	6.70 µg/kg dry	1	SW846 8151A	05-Oct-05	06-Oct-05	5100239	MP	
93-76-5	2,4,5-T	BRL	6.70 µg/kg dry	1	"	"	"	"	"	
93-72-1	2,4,5-TP (Silvex)	BRL	6.70 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	102	30-150 %		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
<u>Semivolatile Organic Compounds by SW846 8270C</u>			Prepared by method SW846 3550B							
83-32-9	Acenaphthene	BRL	177 µg/kg dry	1	SW846 8270C	05-Oct-05	06-Oct-05	5100238		
208-96-8	Acenaphthylene	BRL	177 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	177 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	177 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	25.7	177 µg/kg dry	1	"	"	"	"	"	J
50-32-8	Benzo (a) pyrene	25.4	177 µg/kg dry	1	"	"	"	"	"	J
205-99-2	Benzo (b) fluoranthene	25.4	177 µg/kg dry	1	"	"	"	"	"	J

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Page 3 of 39

Sample Identification
 RP2-RCA-1-100305
 SA35156-01

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:00

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
<i>Semivolatile Organic Compounds by SW846 8270C</i>										
				Prepared by method	SW846 3550B					
191-24-2	Benzo (g,h,i) perylene	20.0	177 µg/kg dry	1	SW846 8270C	05-Oct-05	06-Oct-05	5100238		J
207-08-9	Benzo (k) fluoranthene	22.5	177 µg/kg dry	1	"	"	"	"	"	J
65-85-0	Benzoic acid	BRL	177 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	177 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	177 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	177 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	28.2	177 µg/kg dry	1	"	"	"	"	"	J
53-70-3	Dibenzo (a,h) anthracene	BRL	177 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	177 µg/kg dry	1	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL	177 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	177 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	177 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	177 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	177 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	177 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	41.4	177 µg/kg dry	1	"	"	"	"	"	J
86-73-7	Fluorene	BRL	177 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	177 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	20.4	177 µg/kg dry	1	"	"	"	"	"	J
78-59-1	Isophorone	BRL	177 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	177 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-43-4	3,4-Methylphenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	177 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	177 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	177 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	177 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	707 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	707 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	17.1	177 µg/kg dry	1	"	"	"	"	"	J
108-95-2	Phenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	46.8	177 µg/kg dry	1	"	"	"	"	"	J
95-95-4	2,4,5-Trichlorophenol	BRL	177 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
321-60-8	2-Fluorobiphenyl	51.6	30-130 %		"	"	"	"	"	
367-12-4	2-Fluorophenol	59.2	15-110 %		"	"	"	"	"	
4165-60-0	Nitrobenzene-d5	57.5	30-130 %		"	"	"	"	"	
4165-62-2	Phenol-d5	41.8	15-110 %		"	"	"	"	"	
1718-51-0	Terphenyl-d14	78.2	30-130 %		"	"	"	"	"	
118-79-6	2,4,6-Tribromophenol	56.4	15-110 %		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification
 RP2-RCA-1-100305
 SA35156-01

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:00

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 6000/7000 Series Methods										
7440-22-4	Silver	BRL	0.938 mg/kg dry	1	SW846 6010B	05-Oct-05	05-Oct-05	5100180	RE	
7429-90-5	Aluminum	5,800	1.41 mg/kg dry	1	"	"	"	"	"	
7440-38-2	Arsenic	BRL	1.41 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	62.8	0.469 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.460	0.188 mg/kg dry	1	"	"	"	"	"	
7440-70-2	Calcium	1,080	4.69 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.234 mg/kg dry	1	"	"	"	"	"	
7440-48-4	Cobalt	4.69	0.469 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	10.6	0.469 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	14.2	14.3 mg/kg dry	1	"	"	"	"	"	J
7439-89-6	Iron	14,700	0.469 mg/kg dry	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.176 mg/kg dry	1	SW846 7471A	04-Oct-05	06-Oct-05	5100181	YP	
7440-09-7	Potassium	540	9.38 mg/kg dry	1	SW846 6010B	05-Oct-05	05-Oct-05	5100180	RE	
7439-95-4	Magnesium	2,000	2.34 mg/kg dry	1	"	"	"	"	"	
7439-96-5	Manganese	399	0.0938 mg/kg dry	1	"	"	"	"	"	
7440-23-5	Sodium	145	159 mg/kg dry	1	"	"	"	"	"	J
7440-02-0	Nickel	18.3	0.469 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	21.3	0.703 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.41 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.41 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.41 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	13.8	0.469 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	33.5	0.469 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	98.2	%	1	SM2540 G Mod.	04-Oct-05	04-Oct-05	5100179	YM	
57-12-5	Cyanide (total)	BRL	1.00 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	05-Oct-05	06-Oct-05	5100368	JAK	

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* Reportable Detection Limit BRL = Below Reporting Limit

Page 5 of 39

Sample Identification
RP2-RCA-2-100305
 SA35156-02

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:10

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Lab extracted	N/A	1	VOC	04-Oct-05	04-Oct-05	5100222	BD	
<u>Volatile Organic Compounds</u>										
				Prepared by method	SW846 5035A Soil (low level)					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.8 µg/kg dry	1	SW 846 8260B	04-Oct-05	05-Oct-05	5100248	tim	
67-64-1	Acetone	63.2	116 µg/kg dry	1	"	"	"	"	"	VOC6, J
71-43-2	Benzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	58.1 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	29.0 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	11.6 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	58.1 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	10.7	58.1 µg/kg dry	1	"	"	"	"	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	11.6 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	94.0	70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	99.4	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	109	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	100	70-130 %		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
				Prepared by method	SW846 3550B					
309-00-2	Aldrin	BRL	14.3 µg/kg dry	1	SW846 8081A	05-Oct-05	06-Oct-05	5100240	MP	
319-84-6	a-BHC	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
319-85-7	b-BHC	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
319-86-8	d-BHC	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
58-89-9	g-BHC (Lindane)	BRL	14.3 µg/kg dry	1	"	"	"	"	"	

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Page 6 of 39

Sample Identification
RP2-RCA-2-100305
SA35156-02

Client Project #
5582403

Matrix
Soil

Collection Date/Time
03-Oct-05 14:10

Received
04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method SW846 3550B							
57-74-9	Chlordane	242	71.6 µg/kg dry	1	SW846 8081A	05-Oct-05	06-Oct-05	5100240	MP	
72-54-8	4,4-DDD (p,p')	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
72-55-9	4,4-DDE (p,p')	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
50-29-3	4,4-DDT (p,p')	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
60-57-1	Dieldrin	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
959-98-8	Endosulfan I	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
33213-65-9	Endosulfan II	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
1031-07-8	Endosulfan Sulfate	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
72-20-8	Endrin	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
76-44-8	Heptachlor	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
72-43-5	Methoxychlor	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
1024-57-3	Heptachlor Epoxide	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
5103-71-9	α-Chlordane	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
5566-34-7	γ-Chlordane	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
53494-70-5	Endrin Ketone	BRL	14.3 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	147	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	135	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>			Prepared by method SW846 3550B							
12674-11-2	PCB 1016	BRL	28.6 µg/kg dry	1	SW846 8082	05-Oct-05	06-Oct-05	5100241	SM/	
11104-28-2	PCB 1221	BRL	28.6 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	28.6 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	28.6 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	28.6 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	28.6 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	28.6 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	110	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	130	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>			Prepared by method SW846 3550B							
94-75-7	2,4-D	BRL	6.70 µg/kg dry	1	SW846 8151A	05-Oct-05	06-Oct-05	5100239	MP	
93-76-5	2,4,5-T	BRL	6.70 µg/kg dry	1	"	"	"	"	"	
93-72-1	2,4,5-TP (Silvex)	BRL	6.70 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	120	30-150 %		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
<u>Semivolatile Organic Compounds by SW846 8270C</u>			Prepared by method SW846 3550B							
83-32-9	Acenaphthene	BRL	175 µg/kg dry	1	SW846 8270C	05-Oct-05	06-Oct-05	5100238		
208-96-8	Acenaphthylene	BRL	175 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	175 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	37.9	175 µg/kg dry	1	"	"	"	"	"	J
56-55-3	Benzo (a) anthracene	104	175 µg/kg dry	1	"	"	"	"	"	J
50-32-8	Benzo (a) pyrene	104	175 µg/kg dry	1	"	"	"	"	"	J
205-99-2	Benzo (b) fluoranthene	124	175 µg/kg dry	1	"	"	"	"	"	J

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* Reportable Detection Limit BRL = Below Reporting Limit

Page 7 of 39

Sample Identification
RP2-RCA-2-100305
 SA35156-02

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:10

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
<i>Semivolatile Organic Compounds by SW846 8270C</i>			Prepared by method SW846 3550B							
191-24-2	Benzo (g,h,i) perylene	70.1	175 µg/kg dry	1	SW846 8270C	05-Oct-05	06-Oct-05	5100238		J
207-08-9	Benzo (k) fluoranthene	79.7	175 µg/kg dry	1	"	"	"	"	"	J
65-85-0	Benzoic acid	BRL	175 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	175 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	175 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	175 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	121	175 µg/kg dry	1	"	"	"	"	"	J
53-70-3	Dibenzo (a,h) anthracene	14.9	175 µg/kg dry	1	"	"	"	"	"	J
132-64-9	Dibenzofuran	BRL	175 µg/kg dry	1	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL	175 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	175 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	175 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	175 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	175 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	175 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	221	175 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	175 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	175 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	74.4	175 µg/kg dry	1	"	"	"	"	"	J
78-59-1	Isophorone	BRL	175 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	175 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-43-4	3,4-Methylphenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	175 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	175 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	175 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	175 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	701 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	701 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	75.8	175 µg/kg dry	1	"	"	"	"	"	J
108-95-2	Phenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	233	175 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	175 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
321-60-8	2-Fluorobiphenyl	54.3	30-130 %		"	"	"	"	"	
367-12-4	2-Fluorophenol	40.8	15-110 %		"	"	"	"	"	
4165-60-0	Nitrobenzene-d5	46.3	30-130 %		"	"	"	"	"	
4165-62-2	Phenol-d5	42.8	15-110 %		"	"	"	"	"	
1718-51-0	Terphenyl-d14	71.8	30-130 %		"	"	"	"	"	
118-79-6	2,4,6-Tribromophenol	50.7	15-110 %		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

RP2-RCA-2-100305

SA35156-02

Client Project #

5582403

Matrix

Soil

Collection Date/Time

03-Oct-05 14:10

Received

04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 6000/7000 Series Methods										
7440-22-4	Silver	BRL	0.926 mg/kg dry	1	SW846 6010B	05-Oct-05	05-Oct-05	5100180	RE	
7429-90-5	Aluminum	6,090	1.39 mg/kg dry	1	"	"	"	"	"	
7440-38-2	Arsenic	BRL	1.39 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	32.6	0.463 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.454	0.185 mg/kg dry	1	"	"	"	"	"	
7440-70-2	Calcium	1,130	4.63 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.231 mg/kg dry	1	"	"	"	"	"	
7440-48-4	Cobalt	3.99	0.463 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	12.2	0.463 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	13.1	13.9 mg/kg dry	1	"	"	"	"	"	J
7439-89-6	Iron	14,500	0.463 mg/kg dry	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.169 mg/kg dry	1	SW846 7471A	04-Oct-05	06-Oct-05	5100181	YP	
7440-09-7	Potassium	638	9.26 mg/kg dry	1	SW846 6010B	05-Oct-05	05-Oct-05	5100180	RE	
7439-95-4	Magnesium	2,070	2.31 mg/kg dry	1	"	"	"	"	"	
7439-96-5	Manganese	186	0.0926 mg/kg dry	1	"	"	"	"	"	
7440-23-5	Sodium	176	185 mg/kg dry	1	"	"	"	"	"	J
7440-02-0	Nickel	16.6	0.463 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	23.5	0.694 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.39 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.39 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.39 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	13.0	0.463 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	37.4	0.463 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	99.3	%	1	SM2540 G Mod.	04-Oct-05	04-Oct-05	5100179	YM	
57-12-5	Cyanide (total)	BRL	1.00 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	05-Oct-05	06-Oct-05	5100368	JAK	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 9 of 39

Sample Identification
RP2-RCA-3-100305
 SA35156-03

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:20

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Lab extracted	N/A	1	VOC	04-Oct-05	04-Oct-05	5100222	BD	
<u>Volatile Organic Compounds</u>										
				Prepared by method	SW846 5035A Soil (low level)					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.0 µg/kg dry	1	SW 846 8260B	04-Oct-05	05-Oct-05	5100248	tim	
67-64-1	Acetone	52.5	100 µg/kg dry	1	"	"	"	"	"	VOC6, J
71-43-2	Benzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	6.4	50.1 µg/kg dry	1	"	"	"	"	"	VOC6, J
75-15-0	Carbon disulfide	BRL	25.1 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	10.0 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	50.1 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	14.1	50.1 µg/kg dry	1	"	"	"	"	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	10.0 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	91.2	70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	98.6	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	110	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	99.8	70-130 %		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
				Prepared by method	SW846 3550B					
309-00-2	Aldrin	BRL	14.7 µg/kg dry	1	SW846 8081A	05-Oct-05	06-Oct-05	5100240	MP	
319-84-6	a-BHC	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
319-85-7	b-BHC	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
319-86-8	d-BHC	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
58-89-9	g-BHC (Lindane)	BRL	14.7 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification
 RP2-RCA-3-100305
 SA35156-03

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:20

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method		SW846 3550B					
57-74-9	Chlordane	719	73.7 µg/kg dry	1	SW846 8081A	05-Oct-05	06-Oct-05	5100240	MP	
72-54-8	4,4-DDD (p,p')	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
72-55-9	4,4-DDE (p,p')	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
50-29-3	4,4-DDT (p,p')	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
60-57-1	Dieldrin	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
959-98-8	Endosulfan I	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
33213-65-9	Endosulfan II	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
1031-07-8	Endosulfan Sulfate	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
72-20-8	Endrin	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
76-44-8	Heptachlor	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
72-43-5	Methoxychlor	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
1024-57-3	Heptachlor Epoxide	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
5103-71-9	a-Chlordane	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
5566-34-7	g-Chlordane	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
53494-70-5	Endrin Ketone	BRL	14.7 µg/kg dry	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	149	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	144	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	29.5 µg/kg dry	1	SW846 8082	05-Oct-05	06-Oct-05	5100241	SM/	
11104-28-2	PCB 1221	BRL	29.5 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	29.5 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	29.5 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	29.5 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	29.5 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	29.5 µg/kg dry	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	110	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	145	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>			Prepared by method		SW846 3550B					
94-75-7	2,4-D	BRL	6.70 µg/kg dry	1	SW846 8151A	05-Oct-05	06-Oct-05	5100239	MP	
93-76-5	2,4,5-T	BRL	6.70 µg/kg dry	1	"	"	"	"	"	
93-72-1	2,4,5-TP (Silvex)	BRL	6.70 µg/kg dry	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	91.7	30-150 %		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
<u>Semivolatile Organic Compounds by SW846 8270C</u>			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	185 µg/kg dry	1	SW846 8270C	05-Oct-05	06-Oct-05	5100238		
208-96-8	Acenaphthylene	BRL	185 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	185 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	29.6	185 µg/kg dry	1	"	"	"	"	"	J
56-55-3	Benzo (a) anthracene	45.7	185 µg/kg dry	1	"	"	"	"	"	J
50-32-8	Benzo (a) pyrene	42.3	185 µg/kg dry	1	"	"	"	"	"	J
205-99-2	Benzo (b) fluoranthene	54.3	185 µg/kg dry	1	"	"	"	"	"	J

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* Reportable Detection Limit BRL = Below Reporting Limit

Page 11 of 39

Sample Identification
RP2-RCA-3-100305
 SA35156-03

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:20

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
<i>Semivolatile Organic Compounds by SW846 8270C</i>										
				Prepared by method	SW846 3550B					
191-24-2	Benzo (g,h,i) perylene	34.1	185 µg/kg dry	1	SW846 8270C	05-Oct-05	06-Oct-05	5100238		J
207-08-9	Benzo (k) fluoranthene	31.1	185 µg/kg dry	1	"	"	"	"	"	J
65-85-0	Benzoic acid	BRL	185 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	185 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	185 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	185 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	64.8	185 µg/kg dry	1	"	"	"	"	"	J
53-70-3	Dibenzo (a,h) anthracene	BRL	185 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	185 µg/kg dry	1	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL	185 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	185 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	185 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	185 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	185 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	185 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	111	185 µg/kg dry	1	"	"	"	"	"	J
86-73-7	Fluorene	BRL	185 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	185 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	33.3	185 µg/kg dry	1	"	"	"	"	"	J
78-59-1	Isophorone	BRL	185 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	185 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-43	4-Methylphenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	185 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	185 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	185 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	185 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	742 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	742 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	57.7	185 µg/kg dry	1	"	"	"	"	"	J
108-95-2	Phenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	119	185 µg/kg dry	1	"	"	"	"	"	J
95-95-4	2,4,5-Trichlorophenol	BRL	185 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
321-60-8	2-Fluorobiphenyl	45.5	30-130 %		"	"	"	"	"	
367-12-4	2-Fluorophenol	43.2	15-110 %		"	"	"	"	"	
4165-60-0	Nitrobenzene-d5	46.9	30-130 %		"	"	"	"	"	
4165-62-2	Phenol-d5	43.2	15-110 %		"	"	"	"	"	
1718-51-0	Terphenyl-d14	75.9	30-130 %		"	"	"	"	"	
118-79-6	2,4,6-Tribromophenol	53.5	15-110 %		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										

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Sample Identification
RP2-RCA-3-100305
 SA35156-03

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:20

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 6000/7000 Series Methods										
7440-22-4	Silver	BRL	1.01 mg/kg dry	1	SW846 6010B	05-Oct-05	05-Oct-05	5100180	RE	
7429-90-5	Aluminum	6,030	1.51 mg/kg dry	1	"	"	"	"	"	
7440-38-2	Arsenic	0.474	1.51 mg/kg dry	1	"	"	"	"	"	J
7440-39-3	Barium	35.6	0.504 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.484	0.202 mg/kg dry	1	"	"	"	"	"	
7440-70-2	Calcium	1,330	5.04 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.252 mg/kg dry	1	"	"	"	"	"	
7440-48-4	Cobalt	3.96	0.504 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	11.2	0.504 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	14.2	14.4 mg/kg dry	1	"	"	"	"	"	J
7439-89-6	Iron	12,200	0.504 mg/kg dry	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.187 mg/kg dry	1	SW846 7471A	04-Oct-05	06-Oct-05	5100181	YP	
7440-09-7	Potassium	1,010	10.1 mg/kg dry	1	SW846 6010B	05-Oct-05	05-Oct-05	5100180	RE	
7439-95-4	Magnesium	2,380	2.52 mg/kg dry	1	"	"	"	"	"	
7439-96-5	Manganese	225	0.101 mg/kg dry	1	"	"	"	"	"	
7440-23-5	Sodium	110	111 mg/kg dry	1	"	"	"	"	"	J
7440-02-0	Nickel	13.3	0.504 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	23.3	0.757 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.51 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.51 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.51 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	14.4	0.504 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	35.7	0.504 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	95.0	%	1	SM2540 G Mod.	04-Oct-05	04-Oct-05	5100179	YM	
57-12-5	Cyanide (total)	BRL	1.05 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	05-Oct-05	06-Oct-05	5100368	JAK	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

RP2-RCA-4-100305

SA35156-04

Client Project

5582403

Matrix

Soil

Collection Date/Time

03-Oct-05 14:30

Received

04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Lab extracted	N/A	1	VOC	04-Oct-05	04-Oct-05	5100222	BD	
<u>Volatile Organic Compounds</u>			Prepared by method	SW846 5035A Soil (low level)					VOC10	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.3 µg/kg dry	1	SW 846 8260B	04-Oct-05	05-Oct-05	5100248	tim	
67-64-1	Acetone	60.4	85.3 µg/kg dry	1	"	"	"	"	"	VOC6, J
71-43-2	Benzene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	7.5	42.6 µg/kg dry	1	"	"	"	"	"	VOC6, J
75-15-0	Carbon disulfide	BRL	21.3 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	8.5 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	42.6 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	9.6	42.6 µg/kg dry	1	"	"	"	"	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	8.5 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.3 µg/kg dry	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	96.0	70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	99.4	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	109	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	103	70-130 %		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method	SW846 3550B						
309-00-2	Aldrin	BRL	14.6 µg/kg dry	1	SW846 8081A	05-Oct-05	06-Oct-05	5100240	MP	
319-84-6	a-BHC	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
319-85-7	b-BHC	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
319-86-8	d-BHC	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
58-89-9	g-BHC (Lindane)	BRL	14.6 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 14 of 39

Sample Identification

RP2-RCA-4-100305

SA35156-04

Client Project #

5582403

Matrix

Soil

Collection Date/Time

03-Oct-05 14:30

Received

04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method		SW846 3550B					
57-74-9	Chlordane	30.6	73.0 µg/kg dry	1	SW846 8081A	05-Oct-05	06-Oct-05	5100240	MP	J
72-54-8	4,4-DDD (p,p')	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
72-55-9	4,4-DDE (p,p')	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
50-29-3	4,4-DDT (p,p')	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
60-57-1	Dieldrin	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
959-98-8	Endosulfan I	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
33213-65-9	Endosulfan II	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
1031-07-8	Endosulfan Sulfate	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
72-20-8	Endrin	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
76-44-8	Heptachlor	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
72-43-5	Methoxychlor	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
1024-57-3	Heptachlor Epoxide	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
5103-71-9	a-Chlordane	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
5566-34-7	g-Chlordane	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
53494-70-5	Endrin Ketone	BRL	14.6 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	141	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	143	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	29.2 µg/kg dry	1	SW846 8082	05-Oct-05	06-Oct-05	5100241	SM/	
11104-28-2	PCB 1221	BRL	29.2 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	29.2 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	29.2 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	29.2 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	29.2 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	29.2 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	125	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	145	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>			Prepared by method		SW846 3550B					
94-75-7	2,4-D	BRL	6.70 µg/kg dry	1	SW846 8151A	05-Oct-05	06-Oct-05	5100239	MP	
93-76-5	2,4,5-T	BRL	6.70 µg/kg dry	1	"	"	"	"	"	
93-72-1	2,4,5-TP (Silvex)	BRL	6.70 µg/kg dry	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>										
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	99.3	30-150 %		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
<u>Semivolatile Organic Compounds by SW846 8270C</u>			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	179 µg/kg dry	1	SW846 8270C	05-Oct-05	06-Oct-05	5100238		
208-96-8	Acenaphthylene	BRL	179 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	179 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	179 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	179 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	179 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	179 µg/kg dry	1	"	"	"	"	"	

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Page 15 of 39

Sample Identification

RP2-RCA-4-100305

SA35156-04

Client Project #

5582403

Matrix

Soil

Collection Date/Time

03-Oct-05 14:30

Received

04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C

Prepared by method SW846 3550B

191-24-2	Benzo (g,h,i) perylene	BRL	179 µg/kg dry	1	SW846 8270C	05-Oct-05	06-Oct-05	5100238		
207-08-9	Benzo (k) fluoranthene	BRL	179 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	179 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	179 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	179 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	179 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	179 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	179 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	18.8	179 µg/kg dry	1	"	"	"	"	"	J
53-70-3	Dibenzo (a,h) anthracene	BRL	179 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	179 µg/kg dry	1	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL	179 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	179 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	179 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	179 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	179 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	179 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	179 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	179 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	24.9	179 µg/kg dry	1	"	"	"	"	"	J
86-73-7	Fluorene	BRL	179 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	179 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	179 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	179 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	179 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	179 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-43-4	3,4-Methylphenol	BRL	179 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	179 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	179 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	179 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	179 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	179 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	715 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	715 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	179 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	179 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	26.4	179 µg/kg dry	1	"	"	"	"	"	J
95-95-4	2,4,5-Trichlorophenol	BRL	179 µg/kg dry	1	"	"	"	"	"	

Surrogate recoveries:

321-60-8	2-Fluorobiphenyl	51.7	30-130 %	"	"	"	"	"	"	
367-12-4	2-Fluorophenol	46.4	15-110 %	"	"	"	"	"	"	
4165-60-0	Nitrobenzene-d5	47.6	30-130 %	"	"	"	"	"	"	
4165-62-2	Phenol-d5	41.3	15-110 %	"	"	"	"	"	"	
1718-51-0	Terphenyl-d14	70.0	30-130 %	"	"	"	"	"	"	
118-79-6	2,4,6-Tribromophenol	47.3	15-110 %	"	"	"	"	"	"	

Total Metals by EPA 6000/7000 Series Methods

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification
 RP2-RCA-4-100305
 SA35156-04

Client Project #
 5582403

Matrix
 Soil

Collection Date/Time
 03-Oct-05 14:30

Received
 04-Oct-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 6000/7000 Series Methods										
7440-22-4	Silver	BRL	1.03 mg/kg dry	1	SW846 6010B	05-Oct-05	05-Oct-05	5100180	RE	
7429-90-5	Aluminum	5,360	1.54 mg/kg dry	1	"	"	"	"	"	
7440-38-2	Arsenic	BRL	1.54 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	26.3	0.514 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.468	0.206 mg/kg dry	1	"	"	"	"	"	
7440-70-2	Calcium	1,500	5.14 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.257 mg/kg dry	1	"	"	"	"	"	
7440-48-4	Cobalt	4.06	0.514 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	10.4	0.514 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	17.4	18.0 mg/kg dry	1	"	"	"	"	"	J
7439-89-6	Iron	14,500	0.514 mg/kg dry	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.166 mg/kg dry	1	SW846 7471A	04-Oct-05	06-Oct-05	5100181	YP	
7440-09-7	Potassium	715	10.3 mg/kg dry	1	SW846 6010B	05-Oct-05	05-Oct-05	5100180	RE	
7439-95-4	Magnesium	2,400	2.57 mg/kg dry	1	"	"	"	"	"	
7439-96-5	Manganese	258	0.103 mg/kg dry	1	"	"	"	"	"	
7440-23-5	Sodium	144	154 mg/kg dry	1	"	"	"	"	"	J
7440-02-0	Nickel	17.4	0.514 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	8.58	0.771 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.54 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.54 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.54 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	13.8	0.514 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	30.4	0.514 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	96.8	%	1	SM2540 G Mod.	04-Oct-05	04-Oct-05	5100179	YM	
57-12-5	Cyanide (total)	BRL	1.02 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	05-Oct-05	06-Oct-05	5100368	JAK	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100248 - SW846 5035A Soil (low level)									
Blank (5100248-BLK1)			Prepared & Analyzed: 05-Oct-05						
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.0 µg/kg wet							
Acetone	BRL	100 µg/kg wet							
Acrylonitrile	BRL	5.0 µg/kg wet							
Benzene	BRL	5.0 µg/kg wet							
Bromobenzene	BRL	5.0 µg/kg wet							
Bromochloromethane	BRL	5.0 µg/kg wet							
Bromodichloromethane	BRL	5.0 µg/kg wet							
Bromoform	BRL	5.0 µg/kg wet							
Bromomethane	BRL	10.0 µg/kg wet							
2-Butanone (MEK)	BRL	50.0 µg/kg wet							
n-Butylbenzene	BRL	5.0 µg/kg wet							
sec-Butylbenzene	BRL	5.0 µg/kg wet							
tert-Butylbenzene	BRL	5.0 µg/kg wet							
Carbon disulfide	BRL	25.0 µg/kg wet							
Carbon tetrachloride	BRL	5.0 µg/kg wet							
Chlorobenzene	BRL	5.0 µg/kg wet							
Chloroethane	BRL	10.0 µg/kg wet							
Chloroform	BRL	5.0 µg/kg wet							
Chloromethane	BRL	10.0 µg/kg wet							
2-Chlorotoluene	BRL	5.0 µg/kg wet							
4-Chlorotoluene	BRL	5.0 µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0 µg/kg wet							
Dibromochloromethane	BRL	5.0 µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0 µg/kg wet							
Dibromomethane	BRL	5.0 µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0 µg/kg wet							
1,3-Dichlorobenzene	BRL	5.0 µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0 µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0 µg/kg wet							
1,1-Dichloroethane	BRL	5.0 µg/kg wet							
1,2-Dichloroethane	BRL	5.0 µg/kg wet							
1,1-Dichloroethene	BRL	5.0 µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0 µg/kg wet							
trans-1,2-Dichloroethene	BRL	5.0 µg/kg wet							
1,2-Dichloropropane	BRL	5.0 µg/kg wet							
1,3-Dichloropropane	BRL	5.0 µg/kg wet							
2,2-Dichloropropane	BRL	5.0 µg/kg wet							
1,1-Dichloropropene	BRL	5.0 µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0 µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0 µg/kg wet							
Ethylbenzene	BRL	5.0 µg/kg wet							
Hexachlorobutadiene	BRL	5.0 µg/kg wet							
2-Hexanone (MBK)	BRL	50.0 µg/kg wet							
Isopropylbenzene	BRL	5.0 µg/kg wet							
4-Isopropyltoluene	BRL	5.0 µg/kg wet							
Methyl tert-butyl ether	BRL	5.0 µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0 µg/kg wet							
Methylene chloride	BRL	50.0 µg/kg wet							
Naphthalene	BRL	5.0 µg/kg wet							
n-Propylbenzene	BRL	5.0 µg/kg wet							
Styrene	BRL	5.0 µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0 µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0 µg/kg wet							
Tetrachloroethene	BRL	5.0 µg/kg wet							

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100248 - SW846 5035A Soil (low level)									
Blank (5100248-BLK1)			Prepared & Analyzed: 05-Oct-05						
Toluene	BRL	5.0 µg/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0 µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0 µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0 µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0 µg/kg wet							
Trichloroethene	BRL	5.0 µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0 µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0 µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0 µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0 µg/kg wet							
Vinyl chloride	BRL	5.0 µg/kg wet							
m,p-Xylene	BRL	10.0 µg/kg wet							
o-Xylene	BRL	5.0 µg/kg wet							
Tetrahydrofuran	BRL	50.0 µg/kg wet							
Ethyl ether	BRL	5.0 µg/kg wet							
Tert-amyl methyl ether	BRL	5.0 µg/kg wet							
Ethyl tert-butyl ether	BRL	5.0 µg/kg wet							
Di-isopropyl ether	BRL	5.0 µg/kg wet							
Tert-Butanol / butyl alcohol	BRL	50.0 µg/kg wet							
1,4-Dioxane	BRL	100 µg/kg wet							
Surrogate: 4-Bromofluorobenzene	47.5	µg/kg wet	50.0		95.0	70-130			
Surrogate: Toluene-d8	49.7	µg/kg wet	50.0		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	53.6	µg/kg wet	50.0		107	70-130			
Surrogate: Dibromofluoromethane	50.6	µg/kg wet	50.0		101	70-130			
LCS (5100248-BS1)			Prepared & Analyzed: 05-Oct-05						
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.2	µg/kg wet	20.0		121	70-130			
Acetone	14.2	µg/kg wet	20.0		71.0	3.6-194			
Acrylonitrile	20.3	µg/kg wet	20.0		102	70-130			
Benzene	22.6	µg/kg wet	20.0		113	70-130			
Bromobenzene	23.3	µg/kg wet	20.0		116	70-130			
Bromochloromethane	22.5	µg/kg wet	20.0		112	70-130			
Bromodichloromethane	25.5	µg/kg wet	20.0		128	70-130			
Bromoform	25.4	µg/kg wet	20.0		127	70-130			
Bromomethane	28.2	µg/kg wet	20.0		141	59.7-150			
2-Butanone (MEK)	20.8	µg/kg wet	20.0		104	5.7-162			
n-Butylbenzene	26.2	µg/kg wet	20.0		131	70-130			QC-1
sec-Butylbenzene	24.7	µg/kg wet	20.0		124	70-130			
tert-Butylbenzene	24.0	µg/kg wet	20.0		120	70-130			
Carbon disulfide	23.2	µg/kg wet	20.0		116	70-130			
Carbon tetrachloride	24.3	µg/kg wet	20.0		122	70-130			
Chlorobenzene	23.1	µg/kg wet	20.0		116	70-130			
Chloroethane	24.7	µg/kg wet	20.0		124	63.2-146			
Chloroform	22.5	µg/kg wet	20.0		112	70-130			
Chloromethane	29.3	µg/kg wet	20.0		146	70-130			QC-2
2-Chlorotoluene	23.6	µg/kg wet	20.0		118	70-130			
4-Chlorotoluene	24.9	µg/kg wet	20.0		124	70-130			
1,2-Dibromo-3-chloropropane	29.2	µg/kg wet	20.0		146	70-130			QC-2
Dibromochloromethane	24.1	µg/kg wet	20.0		120	48.8-145			
1,2-Dibromoethane (EDB)	24.3	µg/kg wet	20.0		122	70-130			
Dibromomethane	23.4	µg/kg wet	20.0		117	70-130			
1,2-Dichlorobenzene	24.6	µg/kg wet	20.0		123	70-130			
1,3-Dichlorobenzene	24.5	µg/kg wet	20.0		122	70-130			
1,4-Dichlorobenzene	24.8	µg/kg wet	20.0		124	70-130			
Dichlorodifluoromethane (Freon12)	45.1	µg/kg wet	20.0		226	59.6-198			QC-2

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100248 - SW846 5035A Soil (low level)									
LCS (5100248-BS1)		Prepared & Analyzed: 05-Oct-05							
1,1-Dichloroethane	23.4	µg/kg wet	20.0		117	70-130			
1,2-Dichloroethane	22.6	µg/kg wet	20.0		113	70-130			
1,1-Dichloroethene	22.2	µg/kg wet	20.0		111	70-130			
cis-1,2-Dichloroethene	23.8	µg/kg wet	20.0		119	70-130			
trans-1,2-Dichloroethene	22.7	µg/kg wet	20.0		114	70-130			
1,2-Dichloropropane	23.0	µg/kg wet	20.0		115	70-130			
1,3-Dichloropropane	22.2	µg/kg wet	20.0		111	70-130			
2,2-Dichloropropane	23.6	µg/kg wet	20.0		118	70-130			
1,1-Dichloropropene	23.9	µg/kg wet	20.0		120	70-130			
cis-1,3-Dichloropropene	25.3	µg/kg wet	20.0		126	70-130			
trans-1,3-Dichloropropene	23.8	µg/kg wet	20.0		119	70-130			
Ethylbenzene	23.5	µg/kg wet	20.0		118	70-130			
Hexachlorobutadiene	26.9	µg/kg wet	20.0		134	67.7-148			
2-Hexanone (MBK)	22.6	µg/kg wet	20.0		113	70-130			
Isopropylbenzene	22.8	µg/kg wet	20.0		114	70-130			
4-Isopropyltoluene	26.1	µg/kg wet	20.0		130	70-130			
Methyl tert-butyl ether	23.9	µg/kg wet	20.0		120	70-130			
4-Methyl-2-pentanone (MIBK)	24.1	µg/kg wet	20.0		120	40.5-135			
Methylene chloride	23.4	µg/kg wet	20.0		117	70-130			
Naphthalene	26.9	µg/kg wet	20.0		134	70-130			QC-1
n-Propylbenzene	24.5	µg/kg wet	20.0		122	70-130			
Styrene	23.6	µg/kg wet	20.0		118	70-130			
1,1,1,2-Tetrachloroethane	24.7	µg/kg wet	20.0		124	70-130			
1,1,2,2-Tetrachloroethane	23.3	µg/kg wet	20.0		116	70-130			
Tetrachloroethene	24.4	µg/kg wet	20.0		122	70-130			
Toluene	23.1	µg/kg wet	20.0		116	70-130			
1,2,3-Trichlorobenzene	26.5	µg/kg wet	20.0		132	70-130			QC-1
1,2,4-Trichlorobenzene	26.8	µg/kg wet	20.0		134	70-130			QC-1
1,1,1-Trichloroethane	24.8	µg/kg wet	20.0		124	70-130			
1,1,2-Trichloroethane	23.3	µg/kg wet	20.0		116	70-130			
Trichloroethene	22.7	µg/kg wet	20.0		114	70-130			
Trichlorofluoromethane (Freon 11)	25.9	µg/kg wet	20.0		130	65.6-146			
1,2,3-Trichloropropane	24.1	µg/kg wet	20.0		120	70-130			
1,2,4-Trimethylbenzene	24.1	µg/kg wet	20.0		120	70-130			
1,3,5-Trimethylbenzene	23.8	µg/kg wet	20.0		119	70-130			
Vinyl chloride	25.6	µg/kg wet	20.0		128	70-130			
m,p-Xylene	47.5	µg/kg wet	40.0		119	70-130			
o-Xylene	23.5	µg/kg wet	20.0		118	70-130			
Tetrahydrofuran	22.1	µg/kg wet	20.0		110	70-130			
Ethyl ether	23.1	µg/kg wet	20.0		116	66.9-141			
Tert-amyl methyl ether	23.4	µg/kg wet	20.0		117	70-130			
Ethyl tert-butyl ether	25.8	µg/kg wet	20.0		129	70-130			
Di-isopropyl ether	22.8	µg/kg wet	20.0		114	70-130			
Tert-Butanol / butyl alcohol	223	µg/kg wet	200		112	70-130			
1,4-Dioxane	204	µg/kg wet	200		102	17.3-159			
Surrogate: 4-Bromofluorobenzene	48.6	µg/kg wet	50.0		97.2	70-130			
Surrogate: Toluene-d8	50.2	µg/kg wet	50.0		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	50.5	µg/kg wet	50.0		101	70-130			
Surrogate: Dibromofluoromethane	50.9	µg/kg wet	50.0		102	70-130			
LCS Dup (5100248-BSD1)		Prepared & Analyzed: 05-Oct-05							
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.8	µg/kg wet	20.0		109	70-130	10.4	25	
Acetone	16.7	µg/kg wet	20.0		83.5	3.6-194	16.2	50	
Acrylonitrile	22.1	µg/kg wet	20.0		110	70-130	7.55	25	
Benzene	20.6	µg/kg wet	20.0		103	70-130	9.26	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Page 20 of 39

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100248 - SW846 5035A Soil (low level)									
LCS Dup (5100248-BSD1)			Prepared & Analyzed: 05-Oct-05						
Bromobenzene	21.0	µg/kg wet	20.0		105	70-130	9.95	25	
Bromochloromethane	21.0	µg/kg wet	20.0		105	70-130	6.45	25	
Bromodichloromethane	23.6	µg/kg wet	20.0		118	70-130	8.13	25	
Bromoform	24.8	µg/kg wet	20.0		124	70-130	2.39	25	
Bromomethane	24.8	µg/kg wet	20.0		124	59.7-150	12.8	50	
2-Butanone (MEK)	21.6	µg/kg wet	20.0		108	5.7-162	3.77	50	
n-Butylbenzene	22.8	µg/kg wet	20.0		114	70-130	13.9	25	
sec-Butylbenzene	21.0	µg/kg wet	20.0		105	70-130	16.6	25	
tert-Butylbenzene	21.1	µg/kg wet	20.0		106	70-130	12.4	25	
Carbon disulfide	20.5	µg/kg wet	20.0		102	70-130	12.8	25	
Carbon tetrachloride	21.8	µg/kg wet	20.0		109	70-130	11.3	25	
Chlorobenzene	21.1	µg/kg wet	20.0		106	70-130	9.01	25	
Chloroethane	22.5	µg/kg wet	20.0		112	63.2-146	10.2	50	
Chloroform	20.4	µg/kg wet	20.0		102	70-130	9.35	25	
Chloromethane	28.1	µg/kg wet	20.0		140	70-130	4.20	25	QC-2
2-Chlorotoluene	20.8	µg/kg wet	20.0		104	70-130	12.6	25	
4-Chlorotoluene	21.5	µg/kg wet	20.0		108	70-130	13.8	25	
1,2-Dibromo-3-chloropropane	28.2	µg/kg wet	20.0		141	70-130	3.48	25	QC-2
Dibromochloromethane	22.5	µg/kg wet	20.0		112	48.8-145	6.90	50	
1,2-Dibromoethane (EDB)	22.8	µg/kg wet	20.0		114	70-130	6.78	25	
Dibromomethane	22.3	µg/kg wet	20.0		112	70-130	4.37	25	
1,2-Dichlorobenzene	22.0	µg/kg wet	20.0		110	70-130	11.2	25	
1,3-Dichlorobenzene	20.8	µg/kg wet	20.0		104	70-130	15.9	25	
1,4-Dichlorobenzene	22.4	µg/kg wet	20.0		112	70-130	10.2	25	
Dichlorodifluoromethane (Freon12)	40.8	µg/kg wet	20.0		204	59.6-198	10.2	50	QC-2
1,1-Dichloroethane	21.2	µg/kg wet	20.0		106	70-130	9.87	25	
1,2-Dichloroethane	21.8	µg/kg wet	20.0		109	70-130	3.60	25	
1,1-Dichloroethene	20.1	µg/kg wet	20.0		100	70-130	10.4	25	
cis-1,2-Dichloroethene	21.5	µg/kg wet	20.0		108	70-130	9.69	25	
trans-1,2-Dichloroethene	20.3	µg/kg wet	20.0		102	70-130	11.1	25	
1,2-Dichloropropane	20.9	µg/kg wet	20.0		104	70-130	10.0	25	
1,3-Dichloropropane	20.8	µg/kg wet	20.0		104	70-130	6.51	25	
2,2-Dichloropropane	22.0	µg/kg wet	20.0		110	70-130	7.02	25	
1,1-Dichloropropene	21.5	µg/kg wet	20.0		108	70-130	10.5	25	
cis-1,3-Dichloropropene	23.4	µg/kg wet	20.0		117	70-130	7.41	25	
trans-1,3-Dichloropropene	22.3	µg/kg wet	20.0		112	70-130	6.06	25	
Ethylbenzene	21.2	µg/kg wet	20.0		106	70-130	10.7	25	
Hexachlorobutadiene	20.6	µg/kg wet	20.0		103	67.7-148	26.2	50	
2-Hexanone (MBK)	24.2	µg/kg wet	20.0		121	70-130	6.84	25	
Isopropylbenzene	20.3	µg/kg wet	20.0		102	70-130	11.1	25	
4-Isopropyltoluene	23.3	µg/kg wet	20.0		116	70-130	11.4	25	
Methyl tert-butyl ether	23.1	µg/kg wet	20.0		116	70-130	3.39	25	
4-Methyl-2-pentanone (MIBK)	24.8	µg/kg wet	20.0		124	40.5-135	3.28	50	
Methylene chloride	21.1	µg/kg wet	20.0		106	70-130	9.87	25	
Naphthalene	21.3	µg/kg wet	20.0		106	70-130	23.3	25	
n-Propylbenzene	21.3	µg/kg wet	20.0		106	70-130	14.0	25	
Styrene	21.3	µg/kg wet	20.0		106	70-130	10.7	25	
1,1,1,2-Tetrachloroethane	22.5	µg/kg wet	20.0		112	70-130	10.2	25	
1,1,2,2-Tetrachloroethane	23.0	µg/kg wet	20.0		115	70-130	0.866	25	
Tetrachloroethene	21.6	µg/kg wet	20.0		108	70-130	12.2	25	
Toluene	20.6	µg/kg wet	20.0		103	70-130	11.9	25	
1,2,3-Trichlorobenzene	20.4	µg/kg wet	20.0		102	70-130	25.6	25	QR-05
1,2,4-Trichlorobenzene	20.9	µg/kg wet	20.0		104	70-130	25.2	25	QR-05
1,1,1-Trichloroethane	22.3	µg/kg wet	20.0		112	70-130	10.2	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Page 21 of 39

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100248 - SW846 5035A Soil (low level)									
LCS Dup (5100248-BSD1)			Prepared & Analyzed: 05-Oct-05						
1,1,2-Trichloroethane	22.7	µg/kg wet	20.0		114	70-130	1.74	25	
Trichloroethene	21.0	µg/kg wet	20.0		105	70-130	8.22	25	
Trichlorofluoromethane (Freon 11)	23.1	µg/kg wet	20.0		116	65.6-146	11.4	50	
1,2,3-Trichloropropane	23.3	µg/kg wet	20.0		116	70-130	3.39	25	
1,2,4-Trimethylbenzene	20.5	µg/kg wet	20.0		102	70-130	16.2	25	
1,3,5-Trimethylbenzene	20.5	µg/kg wet	20.0		102	70-130	15.4	25	
Vinyl chloride	22.8	µg/kg wet	20.0		114	70-130	11.6	25	
m,p-Xylene	43.0	µg/kg wet	40.0		108	70-130	9.69	25	
o-Xylene	21.6	µg/kg wet	20.0		108	70-130	8.85	25	
Tetrahydrofuran	25.0	µg/kg wet	20.0		125	70-130	12.8	25	
Ethyl ether	21.0	µg/kg wet	20.0		105	66.9-141	9.95	50	
Tert-amyl methyl ether	21.2	µg/kg wet	20.0		106	70-130	9.87	25	
Ethyl tert-butyl ether	24.2	µg/kg wet	20.0		121	70-130	6.40	25	
Di-isopropyl ether	21.1	µg/kg wet	20.0		106	70-130	7.27	25	
Tert-Butanol / butyl alcohol	265	µg/kg wet	200		132	70-130	16.4	25	QC-1
1,4-Dioxane	209	µg/kg wet	200		104	17.3-159	1.94	25	
Surrogate: 4-Bromofluorobenzene	48.1	µg/kg wet	50.0		96.2	70-130			
Surrogate: Toluene-d8	50.3	µg/kg wet	50.0		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	52.0	µg/kg wet	50.0		104	70-130			
Surrogate: Dibromofluoromethane	50.8	µg/kg wet	50.0		102	70-130			

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100239 - SW846 3550B									
Blank (5100239-BLK1)			Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
2,4-D	BRL	6.70 µg/kg wet							
2,4,5-T	BRL	6.70 µg/kg wet							
2,4,5-TP (Silvex)	BRL	6.70 µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	9.13	µg/kg wet	13.3		68.6	30-150			
LCS (5100239-BS1)			Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
2,4-D	23.3	6.70 µg/kg wet	33.3		70.0	40-140			
2,4,5-T	32.5	6.70 µg/kg wet	33.3		97.6	40-140			
2,4,5-TP (Silvex)	31.7	6.70 µg/kg wet	33.3		95.2	40-140			
2,4-DB	26.1	6.70 µg/kg wet	33.3		78.4	40-140			
Dalapon	24.1	6.70 µg/kg wet	33.3		72.4	40-140			
Dicamba	32.6	6.70 µg/kg wet	33.3		97.9	40-140			
Dinoseb	30.8	6.70 µg/kg wet	33.3		92.5	40-140			
Dichlorprop	27.9	6.70 µg/kg wet	33.3		83.8	40-140			
MCPB	9510	670 µg/kg wet	10000		95.1	40-140			
MCPA	9440	670 µg/kg wet	10000		94.4	40-140			
MCPB	7840	670 µg/kg wet	10000		78.4	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	17.5	µg/kg wet	13.3		132	30-150			
Duplicate (5100239-DUP1)			Source: SA35156-03		Prepared: 05-Oct-05 Analyzed: 06-Oct-05				
2,4-D	BRL	6.70 µg/kg dry		BRL				30	
2,4,5-T	BRL	6.70 µg/kg dry		BRL				30	
2,4,5-TP (Silvex)	BRL	6.70 µg/kg dry		BRL				30	
2,4-DB	BRL	6.70 µg/kg dry		BRL				30	
Dalapon	BRL	6.70 µg/kg dry		BRL				30	
Dicamba	BRL	6.70 µg/kg dry		BRL				30	
Dinoseb	BRL	6.70 µg/kg dry		BRL				30	
Dichlorprop	BRL	6.70 µg/kg dry		BRL				30	
MCPB	BRL	670 µg/kg dry		BRL				30	
MCPA	BRL	670 µg/kg dry		BRL				30	
MCPB	BRL	670 µg/kg dry		BRL				30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	12.8	µg/kg dry	13.4		95.5	30-150			
Batch 5100240 - SW846 3550B									
Blank (5100240-BLK1)			Prepared & Analyzed: 05-Oct-05						
Aldrin	BRL	14.3 µg/kg wet							
a-BHC	BRL	14.3 µg/kg wet							
b-BHC	BRL	14.3 µg/kg wet							
d-BHC	BRL	14.3 µg/kg wet							
g-BHC (Lindane)	BRL	14.3 µg/kg wet							
Chlordane	BRL	71.5 µg/kg wet							
4,4-DDD (p,p')	BRL	14.3 µg/kg wet							
4,4-DDE (p,p')	BRL	14.3 µg/kg wet							
4,4-DDT (p,p')	BRL	14.3 µg/kg wet							
Dieldrin	BRL	14.3 µg/kg wet							
Endosulfan I	BRL	14.3 µg/kg wet							
Endosulfan II	BRL	14.3 µg/kg wet							
Endosulfan Sulfate	BRL	14.3 µg/kg wet							
Endrin	BRL	14.3 µg/kg wet							
Heptachlor	BRL	14.3 µg/kg wet							
Methoxychlor	BRL	14.3 µg/kg wet							
Heptachlor Epoxide	BRL	14.3 µg/kg wet							
a-Chlordane	BRL	14.3 µg/kg wet							
g-Chlordane	BRL	14.3 µg/kg wet							
Endrin Ketone	BRL	14.3 µg/kg wet							

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100240 - SW846 3550B									
Blank (5100240-BLK1)			Prepared & Analyzed: 05-Oct-05						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	27.7	µg/kg wet	28.6		96.9	30-150			
Surrogate: Decachlorobiphenyl (Sr)	25.1	µg/kg wet	28.6		87.8	30-150			
LCS (5100240-BS1)			Prepared & Analyzed: 05-Oct-05						
Aldrin	30.1	14.3 µg/kg wet	28.6		105	40-140			
a-BHC	29.4	14.3 µg/kg wet	28.6		103	40-140			
b-BHC	28.1	14.3 µg/kg wet	28.6		98.3	40-140			
d-BHC	22.1	14.3 µg/kg wet	28.6		77.3	40-140			
g-BHC (Lindane)	29.3	14.3 µg/kg wet	28.6		102	40-140			
4,4-DDD (p,p')	29.4	14.3 µg/kg wet	28.6		103	40-140			
4,4-DDE (p,p')	29.4	14.3 µg/kg wet	28.6		103	40-140			
4,4-DDT (p,p')	29.1	14.3 µg/kg wet	28.6		102	40-140			
Dieldrin	28.9	14.3 µg/kg wet	28.6		101	40-140			
Endosulfan I	26.7	14.3 µg/kg wet	28.6		93.4	40-140			
Endosulfan II	26.0	14.3 µg/kg wet	28.6		90.9	40-140			
Endosulfan Sulfate	25.0	14.3 µg/kg wet	28.6		87.4	40-140			
Endrin	28.7	14.3 µg/kg wet	28.6		100	40-140			
Endrin Aldehyde	25.9	14.3 µg/kg wet	28.6		90.6	40-140			
Heptachlor	29.6	14.3 µg/kg wet	28.6		103	40-140			
Methoxychlor	22.9	14.3 µg/kg wet	28.6		80.1	40-140			
Heptachlor Epoxide	30.3	14.3 µg/kg wet	28.6		106	40-140			
a-Chlordane	12.7	14.3 µg/kg wet	28.6		44.4	40-140			J
g-Chlordane	13.6	14.3 µg/kg wet	28.6		47.6	40-140			J
Endrin Ketone	24.6	14.3 µg/kg wet	28.6		86.0	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	30.7	µg/kg wet	28.6		107	40-140			
Surrogate: Decachlorobiphenyl (Sr)	29.3	µg/kg wet	28.6		102	40-140			
Duplicate (5100240-DUP1)			Source: SA35156-03		Prepared: 05-Oct-05 Analyzed: 06-Oct-05				
Aldrin	BRL	14.5 µg/kg dry		BRL				30	
a-BHC	BRL	14.5 µg/kg dry		BRL				30	
b-BHC	BRL	14.5 µg/kg dry		BRL				30	
d-BHC	BRL	14.5 µg/kg dry		BRL				30	
g-BHC (Lindane)	BRL	14.5 µg/kg dry		BRL				30	
Chlordane	724	72.3 µg/kg dry		719			0.693	30	
4,4-DDD (p,p')	BRL	14.5 µg/kg dry		BRL				30	
4,4-DDE (p,p')	BRL	14.5 µg/kg dry		BRL				30	
4,4-DDT (p,p')	BRL	14.5 µg/kg dry		BRL				30	
Dieldrin	BRL	14.5 µg/kg dry		BRL				30	
Endosulfan I	BRL	14.5 µg/kg dry		BRL				30	
Endosulfan II	BRL	14.5 µg/kg dry		BRL				30	
Endosulfan Sulfate	BRL	14.5 µg/kg dry		BRL				30	
Endrin	BRL	14.5 µg/kg dry		BRL				30	
Endrin Aldehyde	BRL	14.5 µg/kg dry		BRL				30	
Heptachlor	BRL	14.5 µg/kg dry		BRL				30	
Methoxychlor	BRL	14.5 µg/kg dry		BRL				30	
Heptachlor Epoxide	BRL	14.5 µg/kg dry		BRL				30	
Toxaphene	BRL	72.3 µg/kg dry		BRL				30	
a-Chlordane	BRL	14.5 µg/kg dry		BRL				30	
g-Chlordane	BRL	14.5 µg/kg dry		BRL				30	
Endrin Ketone	BRL	14.5 µg/kg dry		BRL				30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	41.0	µg/kg dry	28.9		142	30-150			
Surrogate: Decachlorobiphenyl (Sr)	42.0	µg/kg dry	28.9		145	30-150			
Matrix Spike (5100240-MS1)			Source: SA35156-03		Prepared: 05-Oct-05 Analyzed: 06-Oct-05				
Aldrin	48.1	14.5 µg/kg dry	29.0	BRL	166	30-150			QM-05
a-BHC	28.6	14.5 µg/kg dry	29.0	BRL	98.6	30-150			

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100240 - SW846 3550B									
Matrix Spike (5100240-MS1)		Source: SA35156-03		Prepared: 05-Oct-05 Analyzed: 06-Oct-05					
b-BHC	26.2	14.5 µg/kg dry	29.0	BRL	90.3	30-150			
d-BHC	22.6	14.5 µg/kg dry	29.0	BRL	77.9	30-150			
g-BHC (Lindane)	30.0	14.5 µg/kg dry	29.0	BRL	103	30-150			
4,4-DDD (p,p')	40.7	14.5 µg/kg dry	29.0	BRL	140	30-150			
4,4-DDE (p,p')	29.4	14.5 µg/kg dry	29.0	BRL	101	30-150			
4,4-DDT (p,p')	30.9	14.5 µg/kg dry	29.0	BRL	107	30-150			
Dieldrin	36.5	14.5 µg/kg dry	29.0	BRL	126	30-150			
Endosulfan I	189	14.5 µg/kg dry	29.0	BRL	652	30-150			QM-05
Endosulfan II	22.8	14.5 µg/kg dry	29.0	BRL	78.6	30-150			
Endosulfan Sulfate	26.1	14.5 µg/kg dry	29.0	BRL	90.0	30-150			
Endrin	29.1	14.5 µg/kg dry	29.0	BRL	100	30-150			
Endrin Aldehyde	24.2	14.5 µg/kg dry	29.0	BRL	83.4	30-150			
Heptachlor	45.8	14.5 µg/kg dry	29.0	BRL	158	30-150			QM-05
Methoxychlor	23.0	14.5 µg/kg dry	29.0	BRL	79.3	30-150			
Heptachlor Epoxide	36.5	14.5 µg/kg dry	29.0	BRL	126	30-150			
Endrin Ketone	25.5	14.5 µg/kg dry	29.0	BRL	87.9	30-150			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	29.7	µg/kg dry	29.0		102	30-150			
Surrogate: Decachlorobiphenyl (Sr)	28.3	µg/kg dry	29.0		97.6	30-150			
Matrix Spike Dup (5100240-MSD1)		Source: SA35156-03		Prepared: 05-Oct-05 Analyzed: 06-Oct-05					
Aldrin	46.6	14.4 µg/kg dry	28.8	BRL	162	30-150	2.44	30	QM-05
a-BHC	28.7	14.4 µg/kg dry	28.8	BRL	99.7	30-150	1.11	30	
b-BHC	24.0	14.4 µg/kg dry	28.8	BRL	83.3	30-150	8.06	30	
d-BHC	23.2	14.4 µg/kg dry	28.8	BRL	80.6	30-150	3.41	30	
g-BHC (Lindane)	35.1	14.4 µg/kg dry	28.8	BRL	122	30-150	16.9	30	
4,4-DDD (p,p')	42.0	14.4 µg/kg dry	28.8	BRL	146	30-150	4.20	30	
4,4-DDE (p,p')	30.8	14.4 µg/kg dry	28.8	BRL	107	30-150	5.77	30	
4,4-DDT (p,p')	30.2	14.4 µg/kg dry	28.8	BRL	105	30-150	1.89	30	
Dieldrin	41.5	14.4 µg/kg dry	28.8	BRL	144	30-150	13.3	30	
Endosulfan I	172	14.4 µg/kg dry	28.8	BRL	597	30-150	8.81	30	QM-05
Endosulfan II	23.9	14.4 µg/kg dry	28.8	BRL	83.0	30-150	5.45	30	
Endosulfan Sulfate	25.3	14.4 µg/kg dry	28.8	BRL	87.8	30-150	2.47	30	
Endrin	28.9	14.4 µg/kg dry	28.8	BRL	100	30-150	0.00	30	
Endrin Aldehyde	23.8	14.4 µg/kg dry	28.8	BRL	82.6	30-150	0.964	30	
Heptachlor	47.5	14.4 µg/kg dry	28.8	BRL	165	30-150	4.33	30	QM-05
Methoxychlor	24.3	14.4 µg/kg dry	28.8	BRL	84.4	30-150	6.23	30	
Heptachlor Epoxide	33.0	14.4 µg/kg dry	28.8	BRL	115	30-150	9.13	30	
Endrin Ketone	22.7	14.4 µg/kg dry	28.8	BRL	78.8	30-150	10.9	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	29.8	µg/kg dry	28.8		103	30-150			
Surrogate: Decachlorobiphenyl (Sr)	27.2	µg/kg dry	28.8		94.4	30-150			
Batch 5100241 - SW846 3550B									
Blank (5100241-BLK1)		Prepared: 05-Oct-05 Analyzed: 06-Oct-05							
PCB 1016	BRL	28.6 µg/kg wet							
PCB 1221	BRL	28.6 µg/kg wet							
PCB 1232	BRL	28.6 µg/kg wet							
PCB 1242	BRL	28.6 µg/kg wet							
PCB 1248	BRL	28.6 µg/kg wet							
PCB 1254	BRL	28.6 µg/kg wet							
PCB 1260	BRL	28.6 µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	30.0	µg/kg wet	28.6		105	30-150			
Surrogate: Decachlorobiphenyl (Sr)	40.0	µg/kg wet	28.6		140	30-150			
LCS (5100241-BS1)		Prepared: 05-Oct-05 Analyzed: 06-Oct-05							
PCB 1016	436	28.6 µg/kg wet	357		122	40-140			

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100241 - SW846 3550B									
LCS (5100241-BS1)			Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
PCB 1260	417	28.6 µg/kg wet	357		117	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	32.9	µg/kg wet	28.6		115	30-150			
Surrogate: Decachlorobiphenyl (Sr)	42.9	µg/kg wet	28.6		150	30-150			
Duplicate (5100241-DUP1)			Source: SA35156-03		Prepared: 05-Oct-05 Analyzed: 06-Oct-05				
PCB 1016	BRL	28.9 µg/kg dry		BRL				40	
PCB 1221	BRL	28.9 µg/kg dry		BRL				40	
PCB 1232	BRL	28.9 µg/kg dry		BRL				40	
PCB 1242	BRL	28.9 µg/kg dry		BRL				40	
PCB 1248	BRL	28.9 µg/kg dry		BRL				40	
PCB 1254	BRL	28.9 µg/kg dry		BRL				40	
PCB 1260	BRL	28.9 µg/kg dry		BRL				40	
PCB 1262	BRL	28.9 µg/kg dry		BRL				40	
PCB 1268	BRL	28.9 µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	28.9	µg/kg dry	28.9		100	30-150			
Surrogate: Decachlorobiphenyl (Sr)	43.3	µg/kg dry	28.9		150	30-150			
Matrix Spike (5100241-MS1)			Source: SA35156-03		Prepared: 05-Oct-05 Analyzed: 06-Oct-05				
PCB 1016	395	28.6 µg/kg dry	358	BRL	110	40-140			
PCB 1260	431	28.6 µg/kg dry	358	BRL	120	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	32.9	µg/kg dry	28.6		115	30-150			
Surrogate: Decachlorobiphenyl (Sr)	42.9	µg/kg dry	28.6		150	30-150			
Matrix Spike Dup (5100241-MSD1)			Source: SA35156-03		Prepared: 05-Oct-05 Analyzed: 06-Oct-05				
PCB 1016	343	28.4 µg/kg dry	354	BRL	96.9	40-140	12.7	50	
PCB 1260	404	28.4 µg/kg dry	354	BRL	114	40-140	5.13	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	35.4	µg/kg dry	28.3		125	30-150			
Surrogate: Decachlorobiphenyl (Sr)	39.7	µg/kg dry	28.3		140	30-150			

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Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100238 - SW846 3550B									
Blank (5100238-BLK1)			Prepared & Analyzed: 05-Oct-05						
Acenaphthene	BRL	330 µg/kg wet							
Acenaphthylene	BRL	330 µg/kg wet							
Aniline	BRL	330 µg/kg wet							
Anthracene	BRL	330 µg/kg wet							
Atrazine	BRL	330 µg/kg wet							
Azobenzene/Diphenyldiazine	BRL	330 µg/kg wet							
Benzidine	BRL	330 µg/kg wet							
Benzo (a) anthracene	BRL	330 µg/kg wet							
Benzo (a) pyrene	BRL	330 µg/kg wet							
Benzo (b) fluoranthene	BRL	330 µg/kg wet							
Benzo (g,h,i) perylene	BRL	330 µg/kg wet							
Benzo (k) fluoranthene	BRL	330 µg/kg wet							
Benzoic acid	BRL	330 µg/kg wet							
Benzyl alcohol	BRL	330 µg/kg wet							
Bis(2-chloroethoxy)methane	BRL	330 µg/kg wet							
Bis(2-chloroethyl)ether	BRL	330 µg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330 µg/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	330 µg/kg wet							
4-Bromophenyl phenyl ether	BRL	330 µg/kg wet							
Butyl benzyl phthalate	BRL	330 µg/kg wet							
Carbazole	BRL	330 µg/kg wet							
4-Chloro-3-methylphenol	BRL	330 µg/kg wet							
4-Chloroaniline	BRL	330 µg/kg wet							
2-Chloronaphthalene	BRL	330 µg/kg wet							
2-Chlorophenol	BRL	330 µg/kg wet							
4-Chlorophenyl phenyl ether	BRL	330 µg/kg wet							
Chrysene	BRL	330 µg/kg wet							
Dibenzo (a,h) anthracene	BRL	330 µg/kg wet							
Dibenzofuran	BRL	330 µg/kg wet							
1,2-Dichlorobenzene	BRL	330 µg/kg wet							
1,3-Dichlorobenzene	BRL	330 µg/kg wet							
1,4-Dichlorobenzene	BRL	330 µg/kg wet							
3,3'-Dichlorobenzidine	BRL	330 µg/kg wet							
2,4-Dichlorophenol	BRL	330 µg/kg wet							
Diethyl phthalate	BRL	330 µg/kg wet							
Dimethyl phthalate	BRL	330 µg/kg wet							
2,4-Dimethylphenol	BRL	330 µg/kg wet							
Di-n-butyl phthalate	BRL	330 µg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330 µg/kg wet							
2,4-Dinitrophenol	BRL	330 µg/kg wet							
2,4-Dinitrotoluene	BRL	330 µg/kg wet							
2,6-Dinitrotoluene	BRL	330 µg/kg wet							
Di-n-octyl phthalate	BRL	330 µg/kg wet							
Fluoranthene	BRL	330 µg/kg wet							
Fluorene	BRL	330 µg/kg wet							
Hexachlorobenzene	BRL	330 µg/kg wet							
Hexachlorobutadiene	BRL	330 µg/kg wet							
Hexachlorocyclopentadiene	BRL	330 µg/kg wet							
Hexachloroethane	BRL	330 µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	330 µg/kg wet							
Isophorone	BRL	330 µg/kg wet							
1-Methylnaphthalene	BRL	330 µg/kg wet							
2-Methylnaphthalene	BRL	330 µg/kg wet							
2-Methylphenol	BRL	330 µg/kg wet							

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Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100238 - SW846 3550B									
Blank (5100238-BLK1)			Prepared & Analyzed: 05-Oct-05						
3,4-Methylphenol	BRL	330 µg/kg wet							
Naphthalene	BRL	330 µg/kg wet							
2-Nitroaniline	BRL	330 µg/kg wet							
3-Nitroaniline	BRL	330 µg/kg wet							
4-Nitroaniline	BRL	1320 µg/kg wet							
Nitrobenzene	BRL	330 µg/kg wet							
2-Nitrophenol	BRL	330 µg/kg wet							
4-Nitrophenol	BRL	1320 µg/kg wet							
N-Nitrosodimethylamine	BRL	330 µg/kg wet							
N-Nitrosodi-n-propylamine	BRL	330 µg/kg wet							
N-Nitrosodiphenylamine	BRL	330 µg/kg wet							
Pentachlorophenol	BRL	1320 µg/kg wet							
Phenanthrene	BRL	330 µg/kg wet							
Phenol	BRL	330 µg/kg wet							
Pyrene	BRL	330 µg/kg wet							
Pyridine	BRL	330 µg/kg wet							
1,2,4-Trichlorobenzene	BRL	330 µg/kg wet							
2,4,5-Trichlorophenol	BRL	330 µg/kg wet							
2,4,6-Trichlorophenol	BRL	330 µg/kg wet							
Surrogate: 2-Fluorobiphenyl	3080	µg/kg wet	6670		46.2	30-130			
Surrogate: 2-Fluorophenol	3180	µg/kg wet	6670		47.7	15-110			
Surrogate: Nitrobenzene-d5	3300	µg/kg wet	6670		49.5	30-130			
Surrogate: Phenol-d5	3020	µg/kg wet	6670		45.3	15-110			
Surrogate: Terphenyl-d14	4140	µg/kg wet	6670		62.1	30-130			
Surrogate: 2,4,6-Tribromophenol	3500	µg/kg wet	6670		52.5	15-110			
LCS (5100238-BS1)			Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
Acenaphthene	5100	330 µg/kg wet	6670		76.5	40-130			
Acenaphthylene	5190	330 µg/kg wet	6670		77.8	40-130			
Aniline	4280	330 µg/kg wet	6670		64.2	40-130			
Anthracene	5030	330 µg/kg wet	6670		75.4	40-130			
Atrazine	5250	330 µg/kg wet	6670		78.7	40-130			
Azobenzene/Diphenyldiazine	4380	330 µg/kg wet	6670		65.7	40-130			
Benzidine	2380	330 µg/kg wet	6670		35.7	40-130			QC-2
Benzo (a) anthracene	5070	330 µg/kg wet	6670		76.0	40-130			
Benzo (a) pyrene	5350	330 µg/kg wet	6670		80.2	40-130			
Benzo (b) fluoranthene	4950	330 µg/kg wet	6670		74.2	40-130			
Benzo (g,h,i) perylene	5640	330 µg/kg wet	6670		84.6	40-130			
Benzo (k) fluoranthene	5890	330 µg/kg wet	6670		88.3	40-130			
Benzoic acid	4150	330 µg/kg wet	6670		62.2	40-130			
Benzyl alcohol	4780	330 µg/kg wet	6670		71.7	40-130			
Bis(2-chloroethoxy)methane	4450	330 µg/kg wet	6670		66.7	40-130			
Bis(2-chloroethyl)ether	4300	330 µg/kg wet	6670		64.5	40-130			
Bis(2-chloroisopropyl)ether	3670	330 µg/kg wet	6670		55.0	40-130			
Bis(2-ethylhexyl)phthalate	5240	330 µg/kg wet	6670		78.6	40-130			
4-Bromophenyl phenyl ether	4850	330 µg/kg wet	6670		72.7	40-130			
Butyl benzyl phthalate	4750	330 µg/kg wet	6670		71.2	40-130			
Carbazole	5590	330 µg/kg wet	6670		83.8	40-130			
4-Chloro-3-methylphenol	5200	330 µg/kg wet	6670		78.0	40-130			
4-Chloroaniline	4160	330 µg/kg wet	6670		62.4	40-130			
2-Chloronaphthalene	4880	330 µg/kg wet	6670		73.2	40-130			
2-Chlorophenol	4660	330 µg/kg wet	6670		69.9	40-130			
4-Chlorophenyl phenyl ether	5090	330 µg/kg wet	6670		76.3	40-130			
Chrysene	5250	330 µg/kg wet	6670		78.7	40-130			
Dibenzo (a,h) anthracene	6400	330 µg/kg wet	6670		96.0	40-130			

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Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100238 - SW846 3550B									
LCS (5100238-BS1)		Prepared: 05-Oct-05 Analyzed: 06-Oct-05							
Dibenzofuran	5080	330 µg/kg wet	6670		76.2	40-130			
1,2-Dichlorobenzene	4280	330 µg/kg wet	6670		64.2	40-130			
1,3-Dichlorobenzene	4350	330 µg/kg wet	6670		65.2	40-130			
1,4-Dichlorobenzene	4190	330 µg/kg wet	6670		62.8	40-130			
3,3'-Dichlorobenzidine	5670	330 µg/kg wet	6670		85.0	40-130			
2,4-Dichlorophenol	4970	330 µg/kg wet	6670		74.5	40-130			
Diethyl phthalate	5050	330 µg/kg wet	6670		75.7	40-130			
Dimethyl phthalate	5120	330 µg/kg wet	6670		76.8	40-130			
2,4-Dimethylphenol	4590	330 µg/kg wet	6670		68.8	40-130			
Di-n-butyl phthalate	4940	330 µg/kg wet	6670		74.1	40-130			
4,6-Dinitro-2-methylphenol	4570	330 µg/kg wet	6670		68.5	40-130			
2,4-Dinitrophenol	4870	330 µg/kg wet	6670		73.0	40-130			
2,4-Dinitrotoluene	5330	330 µg/kg wet	6670		79.9	40-130			
2,6-Dinitrotoluene	5650	330 µg/kg wet	6670		84.7	40-130			
Di-n-octyl phthalate	5070	330 µg/kg wet	6670		76.0	40-130			
Fluoranthene	4960	330 µg/kg wet	6670		74.4	40-130			
Fluorene	5270	330 µg/kg wet	6670		79.0	40-130			
Hexachlorobenzene	5230	330 µg/kg wet	6670		78.4	40-130			
Hexachlorobutadiene	4660	330 µg/kg wet	6670		69.9	40-130			
Hexachlorocyclopentadiene	4920	330 µg/kg wet	6670		73.8	40-130			
Hexachloroethane	4540	330 µg/kg wet	6670		68.1	40-130			
Indeno (1,2,3-cd) pyrene	6430	330 µg/kg wet	6670		96.4	40-130			
1-Methylnaphthalene	4500	330 µg/kg wet	6670		67.5	40-140			
Isophorone	4820	330 µg/kg wet	6670		72.3	40-130			
2-Methylnaphthalene	4810	330 µg/kg wet	6670		72.1	40-130			
2-Methylphenol	5040	330 µg/kg wet	6670		75.6	40-130			
3,4-Methylphenol	4250	330 µg/kg wet	6670		63.7	40-130			
Naphthalene	4580	330 µg/kg wet	6670		68.7	40-130			
2-Nitroaniline	4920	330 µg/kg wet	6670		73.8	40-130			
3-Nitroaniline	4710	330 µg/kg wet	6670		70.6	40-130			
4-Nitroaniline	5050	1320 µg/kg wet	6670		75.7	40-130			
Nitrobenzene	4000	330 µg/kg wet	6670		60.0	40-130			
2-Nitrophenol	4350	330 µg/kg wet	6670		65.2	40-130			
4-Nitrophenol	4440	1320 µg/kg wet	6670		66.6	40-130			
N-Nitrosodimethylamine	4900	330 µg/kg wet	6670		73.5	40-130			
N-Nitrosodi-n-propylamine	4110	330 µg/kg wet	6670		61.6	40-130			
N-Nitrosodiphenylamine	5230	330 µg/kg wet	6670		78.4	40-130			
Pentachlorophenol	5030	1320 µg/kg wet	6670		75.4	40-130			
Phenanthrene	5260	330 µg/kg wet	6670		78.9	40-130			
Phenol	4080	330 µg/kg wet	6670		61.2	40-130			
Pyrene	4770	330 µg/kg wet	6670		71.5	40-130			
Pyridine	5300	330 µg/kg wet	6670		79.5	40-130			
1,2,4-Trichlorobenzene	4580	330 µg/kg wet	6670		68.7	40-130			
2,4,5-Trichlorophenol	5170	330 µg/kg wet	6670		77.5	40-130			
2,4,6-Trichlorophenol	5120	330 µg/kg wet	6670		76.8	40-130			
Surrogate: 2-Fluorobiphenyl	3780	µg/kg wet	6670		56.7	30-130			
Surrogate: 2-Fluorophenol	2790	µg/kg wet	6670		41.8	15-110			
Surrogate: Nitrobenzene-d5	3100	µg/kg wet	6670		46.5	30-130			
Surrogate: Phenol-d5	2760	µg/kg wet	6670		41.4	15-110			
Surrogate: Terphenyl-d14	3330	µg/kg wet	6670		52.9	30-130			
Surrogate: 2,4,6-Tribromophenol	3720	µg/kg wet	6670		55.8	15-110			
Duplicate (5100238-DUP1)		Source: SA35052-02		Prepared: 05-Oct-05 Analyzed: 06-Oct-05					
Acenaphthene	BRL	227 µg/kg dry		BRL				50	
Acenaphthylene	BRL	227 µg/kg dry		BRL				50	

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Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100238 - SW846 3550B									
Duplicate (5100238-DUP1)	Source: SA35052-02		Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
Aniline	BRL	227 µg/kg dry		BRL				50	
Anthracene	BRL	227 µg/kg dry		BRL				50	
Atrazine	BRL	227 µg/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	227 µg/kg dry		BRL				50	
Benzidine	BRL	227 µg/kg dry		BRL				50	
Benzo (a) anthracene	BRL	227 µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	227 µg/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	227 µg/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	227 µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	227 µg/kg dry		BRL				50	
Benzoic acid	BRL	227 µg/kg dry		BRL				50	
Benzyl alcohol	BRL	227 µg/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	227 µg/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	227 µg/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	227 µg/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	227 µg/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	227 µg/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	227 µg/kg dry		BRL				50	
Carbazole	BRL	227 µg/kg dry		BRL				50	
4-Chloro-3-methylphenol	BRL	227 µg/kg dry		BRL				50	
4-Chloroaniline	BRL	227 µg/kg dry		BRL				50	
2-Chloronaphthalene	BRL	227 µg/kg dry		BRL				50	
2-Chlorophenol	BRL	227 µg/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	227 µg/kg dry		BRL				50	
Chrysene	BRL	227 µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	227 µg/kg dry		BRL				50	
Dibenzofuran	BRL	227 µg/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	227 µg/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	227 µg/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	227 µg/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	227 µg/kg dry		BRL				50	
2,4-Dichlorophenol	BRL	227 µg/kg dry		BRL				50	
Diethyl phthalate	BRL	227 µg/kg dry		BRL				50	
Dimethyl phthalate	BRL	227 µg/kg dry		BRL				50	
2,4-Dimethylphenol	BRL	227 µg/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	227 µg/kg dry		27.1				50	
4,6-Dinitro-2-methylphenol	BRL	227 µg/kg dry		BRL				50	
2,4-Dinitrophenol	BRL	227 µg/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	227 µg/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	227 µg/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	227 µg/kg dry		BRL				50	
Fluoranthene	BRL	227 µg/kg dry		BRL				50	
Fluorene	BRL	227 µg/kg dry		BRL				50	
Hexachlorobenzene	BRL	227 µg/kg dry		BRL				50	
Hexachlorobutadiene	BRL	227 µg/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	227 µg/kg dry		BRL				50	
Hexachloroethane	BRL	227 µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	227 µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	227 µg/kg dry		BRL				50	
Isophorone	BRL	227 µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	227 µg/kg dry		BRL				50	
2-Methylphenol	BRL	227 µg/kg dry		BRL				50	
3,4-Methylphenol	BRL	227 µg/kg dry		BRL				50	
Naphthalene	BRL	227 µg/kg dry		BRL				50	

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Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100238 - SW846 3550B									
Duplicate (5100238-DUP1)	Source: SA35052-02		Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
2-Nitroaniline	BRL	227 µg/kg dry		BRL				50	
3-Nitroaniline	BRL	227 µg/kg dry		BRL				50	
4-Nitroaniline	BRL	910 µg/kg dry		BRL				50	
Nitrobenzene	BRL	227 µg/kg dry		BRL				50	
2-Nitrophenol	BRL	227 µg/kg dry		BRL				50	
4-Nitrophenol	BRL	910 µg/kg dry		BRL				50	
N-Nitrosodimethylamine	BRL	227 µg/kg dry		BRL				50	
N-Nitrosodi-n-propylamine	BRL	227 µg/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	227 µg/kg dry		BRL				50	
Pentachlorophenol	BRL	910 µg/kg dry		BRL				50	
Phenanthrene	BRL	227 µg/kg dry		BRL				50	
Phenol	BRL	227 µg/kg dry		BRL				50	
Pyrene	BRL	227 µg/kg dry		BRL				50	
Pyridine	BRL	227 µg/kg dry		BRL				50	
1,2,4-Trichlorobenzene	BRL	227 µg/kg dry		BRL				50	
2,4,5-Trichlorophenol	BRL	227 µg/kg dry		BRL				50	
2,4,6-Trichlorophenol	BRL	227 µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	1260	µg/kg dry	2300		54.8	30-130			
Surrogate: 2-Fluorophenol	1230	µg/kg dry	2300		53.5	15-110			
Surrogate: Nitrobenzene-d5	1140	µg/kg dry	2300		49.6	30-130			
Surrogate: Phenol-d5	1100	µg/kg dry	2300		47.8	15-110			
Surrogate: Terphenyl-dl4	1510	µg/kg dry	2300		65.7	30-130			
Surrogate: 2,4,6-Tribromophenol	1260	µg/kg dry	2300		54.8	15-110			
Matrix Spike (5100238-MS1)	Source: SA35052-02		Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
Acenaphthene	3040	225 µg/kg dry	4540	BRL	67.0	40-140			
4-Chloro-3-methylphenol	6790	225 µg/kg dry	9080	BRL	74.8	30-130			
2-Chlorophenol	5710	225 µg/kg dry	9080	BRL	62.9	30-130			
1,4-Dichlorobenzene	2610	225 µg/kg dry	4540	BRL	57.5	40-140			
2,4-Dinitrotoluene	2770	225 µg/kg dry	4540	BRL	61.0	40-140			
4-Nitrophenol	4630	899 µg/kg dry	9080	BRL	51.0	30-130			
N-Nitrosodi-n-propylamine	2460	225 µg/kg dry	4540	BRL	54.2	40-140			
Pentachlorophenol	5050	899 µg/kg dry	9080	BRL	55.6	30-130			
Phenol	4640	225 µg/kg dry	9080	BRL	51.1	30-130			
Pyrene	3580	225 µg/kg dry	4540	BRL	78.9	40-140			
1,2,4-Trichlorobenzene	2660	225 µg/kg dry	4540	BRL	58.6	40-140			
Surrogate: 2-Fluorobiphenyl	2710	µg/kg dry	4540		59.7	30-130			
Surrogate: 2-Fluorophenol	2080	µg/kg dry	4540		45.8	15-110			
Surrogate: Nitrobenzene-d5	2020	µg/kg dry	4540		44.5	30-130			
Surrogate: Phenol-d5	1830	µg/kg dry	4540		40.3	15-110			
Surrogate: Terphenyl-dl4	3240	µg/kg dry	4540		71.4	30-130			
Surrogate: 2,4,6-Tribromophenol	2410	µg/kg dry	4540		53.1	15-110			
Matrix Spike Dup (5100238-MSD1)	Source: SA35052-02		Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
Acenaphthene	2760	225 µg/kg dry	4550	BRL	60.7	40-140	9.87	30	
4-Chloro-3-methylphenol	6100	225 µg/kg dry	9100	BRL	67.0	30-130	11.0	30	
2-Chlorophenol	5290	225 µg/kg dry	9100	BRL	58.1	30-130	7.93	30	
1,4-Dichlorobenzene	2380	225 µg/kg dry	4550	BRL	52.3	40-140	9.47	30	
2,4-Dinitrotoluene	2750	225 µg/kg dry	4550	BRL	60.4	40-140	0.988	30	
4-Nitrophenol	5210	901 µg/kg dry	9100	BRL	57.3	30-130	11.6	30	
N-Nitrosodi-n-propylamine	2220	225 µg/kg dry	4550	BRL	48.8	40-140	10.5	30	
Pentachlorophenol	5220	901 µg/kg dry	9100	BRL	57.4	30-130	3.19	30	
Phenol	4670	225 µg/kg dry	9100	BRL	51.3	30-130	0.391	30	
Pyrene	3120	225 µg/kg dry	4550	BRL	68.6	40-140	14.0	30	
1,2,4-Trichlorobenzene	2610	225 µg/kg dry	4550	BRL	57.4	40-140	2.07	30	

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Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100238 - SW846 3550B									
Matrix Spike Dup (5100238-MSD1)	Source: SA35052-02		Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
Surrogate: 2-Fluorobiphenyl	2260	µg/kg dry	4550		49.7	30-130			
Surrogate: 2-Fluorophenol	1850	µg/kg dry	4550		40.7	15-110			
Surrogate: Nitrobenzene-d5	2150	µg/kg dry	4550		47.3	30-130			
Surrogate: Phenol-d5	2090	µg/kg dry	4550		45.9	15-110			
Surrogate: Terphenyl-dl4	2660	µg/kg dry	4550		58.5	30-130			
Surrogate: 2,4,6-Tribromophenol	2230	µg/kg dry	4550		49.0	15-110			

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 32 of 39

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100180 - SW846 3050B									
Blank (5100180-BLK1)		Prepared: 04-Oct-05 Analyzed: 05-Oct-05							
Thallium	BRL	1.50 mg/kg wet							
Nickel	BRL	0.500 mg/kg wet							
Lead	BRL	0.750 mg/kg wet							
Vanadium	BRL	0.500 mg/kg wet							
Selenium	BRL	1.50 mg/kg wet							
Antimony	BRL	1.50 mg/kg wet							
Potassium	63.1	65.0 mg/kg wet							J
Iron	BRL	0.500 mg/kg wet							
Sodium	45.5	50.0 mg/kg wet							J
Magnesium	BRL	2.50 mg/kg wet							
Zinc	1.50	0.500 mg/kg wet							QB-01
Manganese	BRL	0.100 mg/kg wet							
Copper	5.36	5.50 mg/kg wet							J
Chromium	BRL	0.500 mg/kg wet							
Cobalt	BRL	0.500 mg/kg wet							
Cadmium	BRL	0.250 mg/kg wet							
Calcium	17.6	5.00 mg/kg wet							QB-01
Aluminum	3.52	1.50 mg/kg wet							QB-01
Arsenic	BRL	1.50 mg/kg wet							
Silver	BRL	1.00 mg/kg wet							
Beryllium	0.190	0.200 mg/kg wet							J
Barium	0.295	0.500 mg/kg wet							J
LCS (5100180-BS1)		Prepared: 04-Oct-05 Analyzed: 05-Oct-05							
Thallium	89.4	1.50 mg/kg wet	100		89.4	85-115			
Manganese	99.2	0.100 mg/kg wet	100		99.2	85-115			
Sodium	108	1.00 mg/kg wet	100		108	85-115			
Nickel	95.8	0.500 mg/kg wet	100		95.8	85-115			
Lead	95.0	0.750 mg/kg wet	100		95.0	85-115			
Zinc	99.0	0.500 mg/kg wet	100		99.0	85-115			
Antimony	95.8	1.50 mg/kg wet	100		95.8	85-115			
Magnesium	87.6	2.50 mg/kg wet	100		87.6	85-115			
Selenium	98.7	1.50 mg/kg wet	100		98.7	85-115			
Vanadium	98.2	0.500 mg/kg wet	100		98.2	85-115			
Potassium	984	10.0 mg/kg wet	1000		98.4	85-115			
Iron	96.4	0.500 mg/kg wet	100		96.4	85-115			
Silver	53.1	2.00 mg/kg wet	50.0		106	85-115			
Arsenic	102	1.50 mg/kg wet	100		102	85-115			
Chromium	96.2	0.500 mg/kg wet	100		96.2	85-115			
Beryllium	93.4	0.200 mg/kg wet	100		93.4	85-115			
Cadmium	99.8	0.250 mg/kg wet	100		99.8	85-115			
Cobalt	94.3	0.500 mg/kg wet	100		94.3	85-115			
Aluminum	96.8	1.50 mg/kg wet	100		96.8	85-115			
Calcium	113	5.00 mg/kg wet	100		113	85-115			
Copper	99.2	0.500 mg/kg wet	100		99.2	85-115			
Barium	96.8	0.500 mg/kg wet	100		96.8	85-115			
Duplicate (5100180-DUP1)		Source: SA35001-01		Prepared: 04-Oct-05 Analyzed: 05-Oct-05					
Lead	BRL	0.821 mg/kg dry		BRL				35	
Zinc	32.1	0.547 mg/kg dry		30.7			4.46	35	
Vanadium	34.5	0.547 mg/kg dry		36.9			6.72	35	
Thallium	BRL	1.64 mg/kg dry		BRL				35	
Antimony	BRL	1.64 mg/kg dry		BRL				35	
Nickel	14.2	0.547 mg/kg dry		14.2			0.00	35	
Sodium	1250	5.47 mg/kg dry		1310			4.69	35	

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100180 - SW846 3050B									
Duplicate (5100180-DUP1)	Source: SA35001-01		Prepared: 04-Oct-05 Analyzed: 05-Oct-05						
Manganese	219	0.109 mg/kg dry		264			18.6	35	
Iron	19300	5.47 mg/kg dry		23500			19.6	35	
Magnesium	3260	2.74 mg/kg dry		3220			1.23	35	
Potassium	1160	10.9 mg/kg dry		1190			2.55	35	
Selenium	BRL	1.64 mg/kg dry		BRL				35	
Chromium	21.9	0.547 mg/kg dry		21.2			3.25	35	
Cadmium	BRL	0.274 mg/kg dry		BRL				35	
Cobalt	7.89	0.547 mg/kg dry		8.43			6.62	35	
Calcium	423	5.47 mg/kg dry		679			46.5	35	QR-05
Aluminum	16800	1.64 mg/kg dry		16400			2.41	35	
Copper	BRL	17.5 mg/kg dry		20.7			17.3	35	J
Arsenic	BRL	1.64 mg/kg dry		BRL				35	
Beryllium	0.651	0.219 mg/kg dry		0.631			3.12	35	
Silver	BRL	1.09 mg/kg dry		BRL				35	
Barium	40.9	0.547 mg/kg dry		38.8			5.27	35	
Matrix Spike (5100180-MS1)	Source: SA35156-01		Prepared: 04-Oct-05 Analyzed: 05-Oct-05						
Selenium	95.6	1.46 mg/kg dry	97.6	BRL	98.0	75-125			
Thallium	86.7	1.46 mg/kg dry	97.6	BRL	88.8	75-125			
Manganese	304	0.0976 mg/kg dry	97.6	399	NR	75-125			QM-07
Iron	16500	0.488 mg/kg dry	97.6	14700	NR	75-125			QM-02
Zinc	124	0.488 mg/kg dry	97.6	33.5	92.7	75-125			
Antimony	30.2	1.46 mg/kg dry	97.6	BRL	30.9	75-125			
Lead	109	0.732 mg/kg dry	97.6	21.3	89.9	75-125			
Nickel	107	0.488 mg/kg dry	97.6	18.3	90.9	75-125			
Sodium	258	4.88 mg/kg dry	97.6	145	116	75-125			
Vanadium	111	0.488 mg/kg dry	97.6	13.8	99.6	75-125			
Potassium	2070	9.76 mg/kg dry	97.6	540	157	75-125			QM-4X
Magnesium	2430	2.44 mg/kg dry	97.6	2000	441	75-125			QM-4X
Beryllium	89.4	0.195 mg/kg dry	97.6	0.460	91.1	75-125			
Silver	2.09	0.976 mg/kg dry	48.8	BRL	4.28	75-125			QM-07
Aluminum	7570	1.46 mg/kg dry	97.6	5800	NR	75-125			QM-02
Arsenic	95.2	1.46 mg/kg dry	97.6	BRL	97.5	75-125			
Calcium	1440	4.88 mg/kg dry	97.6	1080	369	75-125			QM-4X
Cadmium	90.0	0.244 mg/kg dry	97.6	BRL	92.2	75-125			
Cobalt	92.4	0.488 mg/kg dry	97.6	4.69	89.9	75-125			
Chromium	104	0.488 mg/kg dry	97.6	10.6	95.7	75-125			
Copper	107	0.488 mg/kg dry	97.6	14.2	95.1	75-125			
Barium	124	0.488 mg/kg dry	97.6	62.8	62.7	75-125			QM-07
Matrix Spike Dup (5100180-MSD1)	Source: SA35156-01		Prepared: 04-Oct-05 Analyzed: 05-Oct-05						
Manganese	307	0.0938 mg/kg dry	93.8	399	NR	75-125	0.982	35	QM-07
Antimony	27.3	1.41 mg/kg dry	93.8	BRL	29.1	75-125	10.1	35	
Selenium	91.0	1.41 mg/kg dry	93.8	BRL	97.0	75-125	4.93	35	
Thallium	82.9	1.41 mg/kg dry	93.8	BRL	88.4	75-125	4.48	35	
Vanadium	103	0.469 mg/kg dry	93.8	13.8	95.1	75-125	7.48	35	
Lead	107	0.704 mg/kg dry	93.8	21.3	91.4	75-125	1.85	35	
Nickel	100	0.469 mg/kg dry	93.8	18.3	87.1	75-125	6.76	35	
Magnesium	2320	2.35 mg/kg dry	93.8	2000	341	75-125	4.63	35	QM-4X
Potassium	1770	9.38 mg/kg dry	93.8	540	131	75-125	15.6	35	QM-4X
Iron	16000	0.469 mg/kg dry	93.8	14700	NR	75-125	3.08	35	QM-02
Sodium	295	4.69 mg/kg dry	93.8	145	160	75-125	13.4	35	QM-07
Zinc	118	0.469 mg/kg dry	93.8	33.5	90.1	75-125	4.96	35	
Chromium	98.0	0.469 mg/kg dry	93.8	10.6	93.2	75-125	5.94	35	
Aluminum	7340	1.41 mg/kg dry	93.8	5800	NR	75-125	3.09	35	QM-02

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100180 - SW846 3050B									
Matrix Spike Dup (5100180-MSD1)		Source: SA35156-01		Prepared: 04-Oct-05 Analyzed: 05-Oct-05					
Arsenic	92.5	1.41 mg/kg dry	93.8	BRL	98.6	75-125	2.88	35	
Beryllium	84.1	0.188 mg/kg dry	93.8	0.460	89.2	75-125	6.11	35	
Calcium	1270	4.69 mg/kg dry	93.8	1080	203	75-125	12.5	35	QM-4X
Cobalt	86.1	0.469 mg/kg dry	93.8	4.69	86.8	75-125	7.06	35	
Silver	2.19	0.938 mg/kg dry	46.9	BRL	4.67	75-125	4.67	35	QM-07
Copper	101	0.469 mg/kg dry	93.8	14.2	92.5	75-125	5.77	35	
Cadmium	83.6	0.235 mg/kg dry	93.8	BRL	89.1	75-125	7.37	35	
Barium	115	0.469 mg/kg dry	93.8	62.8	55.7	75-125	7.53	35	QM-07
Reference (5100180-SRM1)		Prepared: 04-Oct-05 Analyzed: 05-Oct-05							
Selenium	53.8	1.50 mg/kg wet	53.9		99.8	85-115			
Iron	7690	0.500 mg/kg wet	7000		110	85-115			
Nickel	21.8	0.500 mg/kg wet	24.4		89.3	85-115			
Manganese	151	0.100 mg/kg wet	160		94.4	85-115			
Magnesium	454	2.50 mg/kg wet	464		97.8	85-115			
Thallium	22.7	1.50 mg/kg wet	25.7		88.3	85-115			
Vanadium	30.6	0.500 mg/kg wet	30.3		101	85-115			
Zinc	292	0.500 mg/kg wet	306		95.4	85-115			
Lead	56.9	0.750 mg/kg wet	60.5		94.0	85-115			
Chromium	25.4	0.500 mg/kg wet	27.3		93.0	85-115			
Copper	30.8	0.500 mg/kg wet	32.0		96.2	85-115			
Cobalt	6.04	0.500 mg/kg wet	6.25		96.6	85-115			
Cadmium	50.1	0.250 mg/kg wet	54.9		91.3	85-115			
Silver	11.7	1.00 mg/kg wet	12.4		94.4	85-115			
Calcium	6590	5.00 mg/kg wet	6500		101	85-115			
Arsenic	34.0	1.50 mg/kg wet	34.1		99.7	85-115			
Aluminum	3430	1.50 mg/kg wet	3110		110	85-115			
Barium	7.21	0.500 mg/kg wet	6.25		115	85-115			
Reference (5100180-SRM2)		Prepared: 04-Oct-05 Analyzed: 05-Oct-05							
Lead	64.0	0.750 mg/kg wet	62.9		102	85-115			
Selenium	63.0	1.50 mg/kg wet	56.1		112	85-115			
Iron	8380	0.500 mg/kg wet	7280		115	85-115			
Thallium	25.6	1.50 mg/kg wet	26.7		95.9	85-115			
Vanadium	34.8	0.500 mg/kg wet	31.6		110	85-115			
Zinc	316	0.500 mg/kg wet	318		99.4	85-115			
Nickel	23.8	0.500 mg/kg wet	25.4		93.7	85-115			
Manganese	157	0.100 mg/kg wet	166		94.6	85-115			
Magnesium	484	2.50 mg/kg wet	482		100	85-115			
Arsenic	37.7	1.50 mg/kg wet	35.5		106	85-115			
Calcium	7040	5.00 mg/kg wet	6760		104	85-115			
Cadmium	56.2	0.250 mg/kg wet	57.1		98.4	85-115			
Cobalt	6.60	0.500 mg/kg wet	6.50		102	85-115			
Chromium	27.8	0.500 mg/kg wet	28.4		97.9	85-115			
Copper	34.4	0.500 mg/kg wet	33.3		103	85-115			
Silver	12.7	1.00 mg/kg wet	12.9		98.4	85-115			
Batch 5100181 - EPA200/SW7000 Series									
Blank (5100181-BLK1)		Prepared: 04-Oct-05 Analyzed: 06-Oct-05							
Mercury	BRL	0.179 mg/kg wet							
LCS (5100181-BS1)		Prepared: 04-Oct-05 Analyzed: 06-Oct-05							
Mercury	0.804	0.179 mg/kg wet	0.893		90.0	80-120			
Duplicate (5100181-DUP1)		Source: SA35156-02		Prepared: 04-Oct-05 Analyzed: 06-Oct-05					
Mercury	BRL	0.162 mg/kg dry		BRL			35		J

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100181 - EPA200/SW7000 Series									
Matrix Spike (5100181-MS1)	Source: SA35156-01		Prepared: 04-Oct-05 Analyzed: 06-Oct-05						
Mercury	0.528	0.178 mg/kg dry	0.415	BRL	127	75-125			QM-07
Matrix Spike Dup (5100181-MSD1)	Source: SA35156-01		Prepared: 04-Oct-05 Analyzed: 06-Oct-05						
Mercury	0.484	0.165 mg/kg dry	0.384	BRL	126	75-125	8.70	35	QM-07
Reference (5100181-SRMI)	Prepared: 04-Oct-05 Analyzed: 06-Oct-05								
Mercury	1.29	0.179 mg/kg wet	1.32		97.7	85-115			

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5100179 - General Preparation									
Duplicate (5100179-DUPI)	Source: SA35156-04		Prepared & Analyzed: 04-Oct-05						
% Solids	96.8	%		96.8			0.00	20	
Batch 5100368 - General Preparation									
Blank (5100368-BLK1)	Prepared: 05-Oct-05 Analyzed: 06-Oct-05								
Cyanide (total)	BRL	1.00 mg/kg wet							
LCS (5100368-BS1)	Prepared: 05-Oct-05 Analyzed: 06-Oct-05								
Cyanide (total)	31.3	1.00 mg/kg wet	30.0		104	90-110			
Matrix Spike (5100368-MS1)	Source: SA35156-01		Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
Cyanide (total)	30.4	1.00 mg/kg dry	30.1	BRL	101	75-125			
Matrix Spike Dup (5100368-MSD1)	Source: SA35156-01		Prepared: 05-Oct-05 Analyzed: 06-Oct-05						
Cyanide (total)	32.3	1.01 mg/kg dry	30.2	BRL	107	75-125	6.06	20	
Reference (5100368-SRM1)	Prepared: 05-Oct-05 Analyzed: 06-Oct-05								
Cyanide (total)	111	4.84 mg/kg wet	122		91.0	40-160			

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-05	RPD out of acceptance range.
vext1	Lab extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
VOC3	Methylene Chloride concentration reflects normal average laboratory background.
VOC6	The production of Acetone and other ketones is commonly seen when using Sodium Bisulfate in the SW 846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

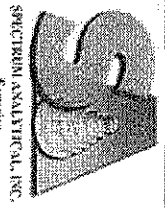
Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown



HANOVER, MASSACHUSETTS

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 10/6/05
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rush.
Samples disposed of after 60 days unless otherwise instructed.

Report To: Langston Engineering

Invoice To: STATE

Project No.: 5582403

21 Ben Pitts

Site Name: River Ave II (RCA source)

Location: Flushing

360 W. 31st St. 8th Floor

P.O. No.: 5582403

Sampler(s): Arjun Patney

New York, NY 10001

RON:

State: NY

Project Mgr.: Arjun Patney

Analyses:

OA Reporting Notes:
(Check if needed)

1=Na₂SO₄ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid

Containers:

Same specific reporting standards if applicable, please list below.

7=CH₃OH 8=NaHSO₄ 9=I₂ 10=

DW=Drinking Water GW=Groundwater WW=Wastewater

☐ Provide MCP/CAM Report
We are all field QC requirements met
by per MCP/CAM Section 2.07
☐ Yes ☐ No

O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air

X1= X2= X3=

Preservative

Matrix

Lab Id:

Sample Id:

Date:

Time:

5582403-01

RP2-RCA-1-10035

10/3/05

14:00

02

RP2-RCA-2-10035

10/3/05

14:10

03

RP2-RCA-3-10035

10/3/05

14:20

04

RP2-RCA-4-10035

10/3/05

14:30

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11 Margaret Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

APPENDIX Q
SUMMARY OF VOC, SVOC, PCB, PESTICIDE, AND HERBICIDE DETECTIONS IN RCA-COMPOSITE SAMPLE
RIVER PLACE II
NEW YORK, NEW YORK

Sample Location Client ID Date Sampled Units	NYSDEC TAGM RECOMMENDED SOIL CLEANUP CRITERIA ug/kg	RCA-COMP-111005 11/10/2005 ug/Kg	
VOCs			
1,2,4-Trimethylbenzene	10000*	2	J
2-Butanone	300	6	J
Acetone	200	47	
Toluene	1500	3	J
Total Xylenes	1200	5	J
TOTAL VOCs	10000	63	
SVOCs			
Isophorone	4400	190	JH
Naphthalene	13000	2000	
2-Methylnaphthalene	36400	1700	
Acenaphthylene	50000*	260	J
Acenaphthene	50000*	2100	
Dibenzofuran	6200	1800	
Fluorene	50000*	2800	
Phenanthrene	50000*	17000	AD ⁵
Anthracene	50000*	4400	
Fluoranthene	50000*	14000	AD ⁵
Pyrene	50000*	7400	AD ⁵
Benzo(a)anthracene	224 or MDL	5600	
Chrysene	400	5300	
Bis(2-ethylhexyl)phthalate	50000*	1600	
Di-n-octyl phthalate	50000*	1900	
Benzo(b)fluoranthene	220 or MDL	4700	
Benzo(k)fluoranthene	220 or MDL	1700	
Benzo(a)pyrene	61 or MDL	4200	
Indeno(1 2 3-cd)pyrene	3200	2200	
Dibenzo(a h)anthracene	14 or MDL	770	
Benzo(ghi)perylene	50000*	2200	
TOTAL SVOCs	500000	83820	
PCBs			
Aroclor 1260	-	12	JM
Total PCBs	10000	12	
PESTICIDES			
delta-BHC	300	1.4	J
Heptachlor	100	2	
Aldrin	41	4.8	M
Heptachlor epoxide	20	0.37	J
Endosulfan I	900	15	M
Dieldrin	44	2.6	J
4 4'-DDE	2100	11	
Endosulfan II	900	2.3	J
Endosulfan sulfate	1000	3.3	J
4 4'-DDT	2100	20	
Methoxychlor	*	14	J
gamma-Chlordane	540	11	
Chlordane	540	92	M
HERBICIDES			
		ND	

QUALIFIERS:

J - Result is an estimated value below the reporting limit or tentatively identified compound (TIC).

A - Concentration exceeds the instrument calibration range or below the reporting limit

M - Manually integrated compound

D# = Dilution was performed, # indicates the dilution factor

H - Alternate peak selection upon analytical review

NOTES:

1. NYSDEC TAGM - New York State Department of Environmental Conservation, Technical and Administrative Guidance Memorandum

2. **NYSDEC exceedances are highlighted in BOLD.**

3. Only compounds shown are limited to those detected in one or more samples.

4. * As per TAGM, Total VOCs < 10 ppm., Total Semi-VOCs < 500ppm. and Individual Semi-VOCs < 50 ppm.

MDL - Method Detection Limit

ND - Not Detected

ug/Kg - micrograms per kilograms

< = Laboratory verifies that the compound is not detected at or above the reporting limit.

APPENDIX Q
SUMMARY OF METAL DETECTIONS IN RCA-COMPOSITE SAMPLE
RIVER PLACE II
NEW YORK, NEW YORK

Sample Location Client ID Date Sampled Units	NYSDEC TAGM RECOMMENDED SOIL CLEANUP CRITERIA	RCA-COMP-111005 11/10/2005 mg/Kg	
Metals			
Aluminum	SB	6310	
Arsenic	7.5 or SB	3.7	BN
Barium	300 or SB	135	*N
Calcium	SB	19300	
Chromium	10 or SB	17.1	*
Cobalt	30 or SB	5.4	
Copper	25 or SB	23.6	N
Iron	2000 or SB	11600	
Lead	SB****	81.8	
Magnesium	SB	5060	*
Manganese	SB	220	
Mercury	0.1	0.15	
Nickel	13 or SB	15	
Potassium	SB	904	N
Sodium	SB	244	
Vanadium	150 or SB	21.9	*N
Zinc	20 or SB	94.4	N

QUALIFIERS:

B - Result is less than the Reporting Limits, but greater than or equal to the Method Detection Limit.
 * - Batch QC exceeds the upper or lower control limits.
 N - Spike Recovery exceeds the upper or the lower control limits.

NOTES:

1. NYSDEC TAGM - New York State Department of Environmental Conservation, Technical and Administrative Guidance Memorandum
2. **NYSDEC exceedances are highlighted in BOLD.**
3. Only compounds shown are limited to those detected in one or more samples.
4. **** Background levels for lead vary widely. Average background levels in metropolitan or suburban areas or near highways range from 200-500 ppm.
 SB = Site Background
 < = Laboratory verifies that the compound is not detected at or above the reporting limit.

ANALYTICAL REPORT

JOB NUMBER: 211338

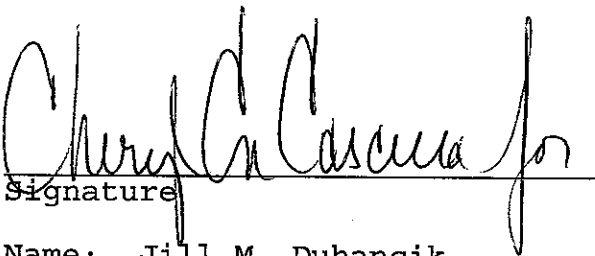
Prepared For:

LANGAN ENVIRONMENTAL SERVICES
21 PENN PLAZA
360 WEST 31ST STREET, 8th Floor
NY, NY 10001-2727

Project: RIVER PLACE 2

Attention: Doane Cafferty

Date: 12/07/2005

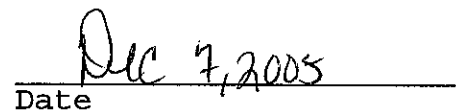


Signature

Name: Jill M. Duhancik

Title: Project Manager

E-Mail: jduhancik@stl-inc.com



Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (103) Pages

STL Report : 211338
LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

The following analyses were subcontracted out to the indicated laboratories:

8151-Herbicides and 8260 VOCs sent to STL Buffalo, 10 Hazelwood Drive, Suite 106, Amherst, NY 14228.

Organic Extraction - Samples were extracted according to methods 3541 and 3550B. Samples for 8082 analysis were cleaned-up using procedures outlined in methods 3665A and 3660B (acid and sulfur clean-up). No problems were encountered.

Metals – ICAP metals were determined using a TJA61E trace ICAP; mercury was determined by cold vapor technique using a Perkin Elmer mercury analyzer; following guidance provided in SW846 according to methods: ICAP – 3050B/6010B; mercury-7471A.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC Protocols using guidance provided in Method 8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

A 1ul injection was used for all samples and standards. Refer to the standard concentration form behind the Form 8's for specific compound concentrations in each of the calibration levels. Internal standards were added to all samples and standards at 20ng/ul.

The spike recovery for the compounds, Benzoic acid and 2,4-Dinitrophenol, was above recovery limits for 57479-2LCS.

The straight analysis of sample RCA-COMP-111005 had one surrogate below 10% recovery.

The straight and dilute analysis of sample RCA-COMP-111005 exhibited internal standard enhancement. Sample matrix was the cause.

Sample RCA-COMP-111005 was analyzed at a 1:5 dilution due to high levels of target compounds and has been designated with the suffix "DL". A straight run has also been reported as per the client's request.

Sample Calculation:

Sample ID – RCA-COMP-111005
Compound - Naphthalene

$$\frac{(592048\text{Area})(20\text{ng})(1000\text{ul})}{(401139\text{Area})(1.032\text{Area/ng})(1\text{ul})(15.4\text{g})(0.916)} = 2000\text{ug/Kg}$$

Pesticides - Pesticide samples were analyzed by GC/ECD using guidance provided in Method 8081A. The instrumentation used was a Hewlett-Packard Gas Chromatograph equipped with an Electron Capture Detector (Ni63).

The recovery for the surrogate, Decachlorobiphenyl, was above QC limits in sample RCA-COMP-111005 on the RTX-35 column.

The recovery of the spike compound delta-BHC, was below QC limits in 57482-2LCS. Historically the lab has problems with degradation of this compound in the spiking solution. The solution has been reprepared.

The spike compounds, Endosulfan sulfate and Methoxychlor, coelute on the RTX-1701 column in 57482-2LCS, and were reported from the RTX-35 column.

The spike compounds, alpha Chlordane and EndosulfanI, coelute on the RTX-35 column in 57482-2LCS, and were reported from the RTX-1701 column.

The continuing calibration check analyzed on the RTX-1701 column 11/15/05 at 01:27 and on the RTX-35 column on 11/15/05 at 03:12 did not meet QC criteria.

The IBS, breakdown standard, analyzed on the RTX-1701 column on 11/15/05 at 02:37, did not meet QC criteria.

The laboratory routinely reports the higher result between the two columns of analysis. If the % RPD between the two columns is greater than 40%, sample chromatography is evaluated. If there is evidence of matrix interference and/or overlapping peaks, then the lower result is reported.

Manual integrations were performed if required, and any affected peaks were designated with an "M" on the quantitation report. Manual integrations were initialed by the analyst that performed the integration.

Sample ID – RCA-COMP-111005
Compound – Endosulfan I

$$\frac{(22691760 \text{ area})(10,000 \text{ ul})}{(520786082 \text{ area/ng})(30.9\text{g})(.916)(1 \text{ ul})} = 15.39 = 15.4 \text{ ug/Kg}$$

Polychlorinated Biphenyls (PCB's) - PCB samples were analyzed by GC/ECD using guidance provided in Method 8082. The instrumentation used was a Hewlett-Packard Gas Chromatograph equipped with an Electron Capture Detector (Ni63).

All samples were analyzed without any apparent problems.

The laboratory routinely reports the higher result between the two columns of analysis. If the % RPD between the two columns is greater than 40%, sample chromatography is evaluated. If there is evidence of matrix interference and/or overlapping peaks, then the lower result is reported.

Manual integrations were performed if required, and any affected peaks were designated with an "M" on the quantitation report. Manual integrations were initialed by the analyst that performed the integration.

Sample Calculation:

Sample ID – RCA-COMP-111005
Compound – Aroclor 1260 at retention time 7.26

$$\frac{(1424694 \text{ area})(10,000 \text{ ul})}{(40084391.5 \text{ area/ng})(30.9\text{g})(.916)(1 \text{ ul})} = 12.55 = 12.6 \text{ ug/Kg}$$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION
Date: 12/07/2005

Job Number.: 211338	Project Number.....: 20001707
Customer...: LANGAN ENVIRONMENTAL SERVICES	Customer Project ID....: RIVER PLACE 2
Attn.....: Doane Cafferty	Project Description....: River Place 2

Job Number.: 211338	Project Number.....: 20001707
Customer...: LANGAN ENVIRONMENTAL SERVICES	Customer Project ID....: RIVER PLACE 2
Attn.....: Doane Cafferty	Project Description....: River Place 2

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
211338-1	RCA-COMP-111005	Soil	11/10/2005	08:15	11/10/2005	20:00

LABORATORY TEST RESULTS

Job Number: 211338

Date: 11/15/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Doane Cafferty

Customer Sample ID: RCA-COMP-111005
 Date Sampled.....: 11/10/2005
 Time Sampled.....: 08:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 211338-1
 Date Received.....: 11/10/2005
 Time Received.....: 20:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	91.6		0.10	0.10	1	%	57449		11/12/05 0000	rlm
	% Moisture, Solid	8.4		0.10	0.10	1	%	57449		11/12/05 0000	rlm
8270C	Semivolatile Organics	ND		79	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Aniline, Solid*	ND	U	100	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Phenol, Solid*	ND	U	95	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	2-Methylphenol, Solid*	ND	U	190	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	4-Methylphenol, Solid*	ND	U	91	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	2-Chlorophenol, Solid*	ND	U	43	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Nitrobenzene, Solid*	ND	U	96	1700	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Benzoic acid, Solid*	ND	U	64	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Isophorone, Solid*	190		61	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Naphthalene, Solid*	2000	H	120	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	2,4-Dichlorophenol, Solid*	ND	U	110	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	4-Chloroaniline, Solid*	ND	U	130	1700	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	2,4,5-Trichlorophenol, Solid*	ND	U	56	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	2-Methylnaphthalene, Solid*	ND	U	45	1700	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	2-Nitroaniline, Solid*	1700		120	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	4-Chloro-3-methylphenol, Solid*	ND	U	65	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	2,6-Dinitrotoluene, Solid*	ND	U	120	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	3-Nitrophenol, Solid*	ND	U	73	1700	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Dimethylnaphthalene, Solid*	ND	U	54	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	2,4-Dinitrophenol, Solid*	ND	U	120	1700	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Acenaphthylene, Solid*	260	J	44	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Acenaphthene, Solid*	2100		58	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Dibenzofuran, Solid*	1800		56	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	4-Nitrophenol, Solid*	ND	U	150	1700	1.00000	ug/Kg	57543		11/13/05 2138	dmm

* In Description = Dry Wgt.

Page 2

Job Number: 211338

LABORATORY TEST RESULTS

Date: 11/15/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Deane Dafferty

Customer Sample ID: RCA-COMP-111005
 Date Sampled.....: 11/10/2005
 Time Sampled.....: 08:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 211338-1
 Date Received.....: 11/10/2005
 Time Received.....: 20:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ND	Fluorene, Solid*	2800	U	46	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
ND	Hexachlorobenzene, Solid*		U	52	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
ND	Diethyl phthalate, Solid*		U	52	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
ND	Pentachlorophenol, Solid*		U	310	1700	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Phenanthrene, Solid*	17000		41	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Anthracene, Solid*	4400		58	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
ND	Di-n-butyl phthalate, Solid*		U	47	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Fluoranthene, Solid*	13000		45	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Pyrene, Solid*	8700		49	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
ND	Butyl benzyl phthalate, Solid*		U	46	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Benzo(a)anthracene, Solid*	5600		48	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Chrysene, Solid*	5300		45	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
ND	3,3-Dichlorobenzidine, Solid*		U	95	700	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Bis(2-ethylhexyl)phthalate, Solid*	1600		47	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Di-n-octyl phthalate, Solid*	1900		37	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Benzo(b)fluoranthene, Solid*	4700		99	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Benzo(k)fluoranthene, Solid*	1700		39	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Benzo(a)pyrene, Solid*	4200		44	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Indeno(1,2,3-cd)pyrene, Solid*	2200		36	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Di benzo(a,h)anthracene, Solid*	770		39	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm
	Benzo(ghi)perylene, Solid*	2200		39	350	1.00000	ug/Kg	57543		11/13/05 2138	dmm

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 211338					Date: 11/15/2005						
CUSTOMER: LANDAN ENVIRONMENTAL SERVICES											
PROJECT: RIVER PLACE 2											
ATTN: Doane Gafferty											
Laboratory Sample ID: 211338-1											
Date Received.....: 11/10/2005											
Time Received.....: 20:00											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics	ND	U	390	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Aniline, Solid*	ND	U	520	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Phenol, Solid*	ND	U	470	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2-Methylphenol, Solid*	ND	U	950	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	4-Methylphenol, Solid*	ND	U	460	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2-Chlorophenol, Solid*	ND	U	210	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Nitrobenzene, Solid*	ND	U	480	8500	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Benzoic acid, Solid*	ND	U	320	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Isophorone, Solid*	ND	U	300	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Naphthalene, Solid*	ND	U	580	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2,4-Dichlorophenol, Solid*	ND	U	570	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	4-Chloroaniline, Solid*	ND	U	640	8500	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2,4,5-Trichlorophenol, Solid*	ND	U	280	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2-Methylnaphthalene, Solid*	ND	U	220	8500	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2-Nitroaniline, Solid*	ND	U	600	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	4-Chloro-3-methylphenol, Solid*	ND	U	320	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2,6-Dinitrotoluene, Solid*	ND	U	620	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2-Nitrophenol, Solid*	ND	U	370	8500	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	3-Nitroaniline, Solid*	ND	U	270	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Dimethyl phthalate, Solid*	ND	U	610	8500	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	2,4-Dinitrophenol, Solid*	ND	U	220	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Acenaphthylene, Solid*	ND	J	290	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Acenaphthene, Solid*	ND	U	280	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Dibenzofuran, Solid*	ND	U	750	8500	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	4-Nitrophenol, Solid*	ND	U	230	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Fluorene, Solid*	ND	U	260	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Hexachlorobenzene, Solid*	ND	U	260	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Diethyl phthalate, Solid*	ND	U	260	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm
	Pentachlorophenol, Solid*	ND	U	1500	8500	5.00000	ug/Kg	57543	DL	11/14/05	1959 chm

* In Description = Dry Wgt.

Page 4

LABORATORY TEST RESULTS											
Job Number: 211338						Date: 11/15/2005					
CUSTOMER: LANDAM ENVIRONMENTAL SERVICES						PROJECT: RIVER PLACE 2					
ATTN: Doane Cafferty											
Customer Sample ID: RCA-COMP-111005						Laboratory Sample ID: 211338-1					
Date Sampled.....: 11/10/2005						Date Received.....: 11/10/2005					
Time Sampled.....: 08:15						Time Received.....: 20:00					
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Phenanthrene, Solid*	17000		210	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Anthracene, Solid*	4400		290	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Di-n-butyl phthalate, Solid*	ND	U	230	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Fluoranthene, Solid*	14000		220	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Pyrene, Solid*	7400		240	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Butyl benzyl phthalate, Solid*	ND	U	230	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Benzo(a)anthracene, Solid*	5300		240	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Chrysene, Solid*	5000		220	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	3,3-Dichlorobenzidine, Solid*	ND	U	470	3500	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Bis(2-ethylhexyl)phthalate, Solid*	1500	J	230	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Di-n-octyl phthalate, Solid*	1800		190	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Benzo(b)fluoranthene, Solid*	4600		490	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Benzo(k)fluoranthene, Solid*	1700	J	200	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Benzo(a)pyrene, Solid*	4200		220	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Indeno(1,2,3-cd)pyrene, Solid*	2100		180	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Dibenzo(a,h)anthracene, Solid*	710	J	200	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959
	Benzo(ghi)perylene, Solid*	2200		200	1800	5.00000	ug/Kg	57543	DL	11/14/05	1959

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 211338					Date: 11/15/2005							
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					PROJECT: RIVER PLACE 2							
					ATTN: Doane Cafferty							
Customer Sample ID: RCA-COMP-111005 Laboratory Sample ID: 211338-1 Date Sampled.....: 11/10/2005 Date Received.....: 11/10/2005 Time Sampled.....: 08:15 Time Received.....: 20:00 Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	91.6			0.10	0.10	1	%	57449		11/12/05 0000	rlm
	% Moisture, Solid	8.4			0.10	0.10	1	%	57449		11/12/05 0000	rlm
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, Solid*	ND	U		0.29	1.8	1.00000	ug/Kg	57536		11/14/05 2231	kam
	beta-BHC, Solid*	ND	U		0.29	1.8	1.00000	ug/Kg	57536		11/14/05 2231	kam
	delta-BHC, Solid*	1.4	J		0.11	1.8	1.00000	ug/Kg	57537		11/14/05 2231	kam
	gamma-BHC (Lindane), Solid*	ND	U		0.16	1.8	1.00000	ug/Kg	57536		11/14/05 2231	kam
	Heptachlor, Solid*	2.0			0.16	1.8	1.00000	ug/Kg	57536		11/14/05 2231	kam
	Aldrin, Solid*	4.8		M	0.38	2.1	1.00000	ug/Kg	57537		11/14/05 2231	kam
	Heptachlor epoxide, Solid*	0.37	J		0.12	1.8	1.00000	ug/Kg	57536		11/14/05 2231	kam
	Endosulfan I, Solid*	15		M	0.16	1.8	1.00000	ug/Kg	57536		11/14/05 2231	kam
	Dieldrin, Solid*	2.6	J		0.34	3.5	1.00000	ug/Kg	57537		11/14/05 2231	kam
	4,4'-DDE, Solid*	11			0.46	3.5	1.00000	ug/Kg	57537		11/14/05 2231	kam
	Endrin, Solid*	ND	U		0.94	5.3	1.00000	ug/Kg	57536		11/14/05 2231	kam
	Endosulfan II, Solid*	2.3	J		0.18	3.5	1.00000	ug/Kg	57537		11/14/05 2231	kam
	4,4'-DDD, Solid*	ND	U		0.40	3.5	1.00000	ug/Kg	57536		11/14/05 2231	kam
	Endosulfan sulfate, Solid*	3.3	J		0.18	3.5	1.00000	ug/Kg	57537		11/14/05 2231	kam
	4,4'-DDT, Solid*	20			0.33	3.5	1.00000	ug/Kg	57536		11/14/05 2231	kam
	Methoxychlor, Solid*	14	J		2.2	18	1.00000	ug/Kg	57537		11/14/05 2231	kam
	gamma-Chlordane, Solid*	11			0.096	1.8	1.00000	ug/Kg	57537		11/14/05 2231	kam
	Endrin ketone, Solid*	ND	U		0.15	3.5	1.00000	ug/Kg	57536		11/14/05 2231	kam
	Chlordane, Solid*	92		M	0.74	18	1.00000	ug/Kg	57536		11/14/05 2231	kam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 211338					Date: 11/21/2005						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					PROJECT: RIVER PLACE 2						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					ATTN: Doane Cafferty						
Laboratory Sample ID: 211338-1											
Date Sampled.....: 11/10/2005											
Time Sampled.....: 08:15											
Sample Matrix.....: Soil											
Customer Sample ID: RCA-COMP-111005											
Date Sampled.....: 11/10/2005											
Time Sampled.....: 08:15											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216 8082	% Solids, Solid	91.6		0.10	0.10	1	%	57449		11/12/05 0000	rlm
	% Moisture, Solid	8.4		0.10	0.10	1	%	57449		11/12/05 0000	rlm
	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	3.0	18	1.00000	ug/Kg	57883		11/18/05 1744	mds
	Aroclor 1221, Solid*	ND	U	1.6	35	1.00000	ug/Kg	57883		11/18/05 1744	mds
	Aroclor 1232, Solid*	ND	U	2.0	18	1.00000	ug/Kg	57883		11/18/05 1744	mds
	Aroclor 1242, Solid*	ND	U	3.2	18	1.00000	ug/Kg	57883		11/18/05 1744	mds
	Aroclor 1248, Solid*	ND	U	2.9	18	1.00000	ug/Kg	57883		11/18/05 1744	mds
	Aroclor 1254, Solid*	ND	U	1.3	18	1.00000	ug/Kg	57883		11/18/05 1744	mds
	Aroclor 1260, Solid*	12	J	4.2	18	1.00000	ug/Kg	57883		11/18/05 1744	mds

* In Description = Dry Wgt.

Page 2

LABORATORY TEST RESULTS													
Date: 11/23/2005													
Job Number: 211338													
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES													
PROJECT: RIVER PLACE 2													
ATTN: Doane Cafferty													
Laboratory Sample ID: 211338-1													
Date Sampled.....: 11/10/2005													
Time Sampled.....: 08:15													
Sample Matrix.....: Soil													
Date Received.....: 11/10/2005													
Time Received.....: 20:00													
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
ASTM D-2216	% Solids, Solid	91.6			0.10	0.10	1	%	57449		11/12/05 0000	rlm	
	% Moisture, Solid	8.4			0.10	0.10	1	%	57449		11/12/05 0000	rlm	
7471A	Mercury (CVAA) Solids	0.15			0.013	0.043	1.0000	mg/Kg	57611		11/15/05 1643	mp	
	Mercury, Solid*												
60108	Metals Analysis (ICAP Trace)												
	Aluminum, Solid*	6310		U	24.8	320	1	mg/Kg	57772		11/17/05 1201	dwh	
	Antimony, Solid*	ND		B	1.4	14.5	1	mg/Kg	57772		11/17/05 1201	dwh	
	Arsenic, Solid*	3.7		N	1.5	9.9	1	mg/Kg	57772		11/17/05 1201	dwh	
	Barium, Solid*	135		N	0.23	2.5	1	mg/Kg	57772		11/17/05 1201	dwh	
	Beryllium, Solid*	ND		N	0.62	2.5	1	mg/Kg	57772		11/17/05 1201	dwh	
	Cadmium, Solid*	ND		U	1.2	3.7	1	mg/Kg	57772		11/17/05 1201	dwh	
	Calcium, Solid*	19300		U	14.4	105	1	mg/Kg	57772		11/17/05 1201	dwh	
	Chromium, Solid*	17.1			0.42	3.7	1	mg/Kg	57772		11/17/05 1201	dwh	
	Cobalt, Solid*	5.4			0.52	2.5	1	mg/Kg	57772		11/17/05 1201	dwh	
	Copper, Solid*	23.6			0.99	6.2	1	mg/Kg	57772		11/17/05 1201	dwh	
	Iron, Solid*	11600			12.7	180	1	mg/Kg	57772		11/17/05 1201	dwh	
	Lead, Solid*	81.8			0.94	11.2	1	mg/Kg	57772		11/17/05 1201	dwh	
	Magnesium, Solid*	5060			11.4	43.4	1	mg/Kg	57772		11/17/05 1201	dwh	
	Manganese, Solid*	220			0.79	3.1	1	mg/Kg	57772		11/17/05 1201	dwh	
	Nickel, Solid*	15.0			0.55	6.2	1	mg/Kg	57772		11/17/05 1201	dwh	
	Potassium, Solid*	904			49.6	248	1	mg/Kg	57772		11/17/05 1201	dwh	
	Selenium, Solid*	ND		U	N	2.0	19.8	1	mg/Kg	57772		11/17/05 1201	dwh
	Silver, Solid*	ND		U	N	0.40	3.7	1	mg/Kg	57772		11/17/05 1201	dwh
	Sodium, Solid*	244				24.8	117	1	mg/Kg	57772		11/17/05 1201	dwh
	Thallium, Solid*	ND		U		5.2	24.8	1	mg/Kg	57772		11/17/05 1201	dwh
	Vanadium, Solid*	21.9			N	0.45	5.0	1	mg/Kg	57772		11/17/05 1201	dwh

* In Description = Dry Wgt.

Page 2

LABORATORY TEST RESULTS											
Job Number: 211338					Date: 11/23/2005						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					PROJECT: RIVER PLACE 2						
ATTN: Doane Cafferty											
Customer Sample ID: RCA-COMP-111005 Date Sampled: 11/10/2005 Time Sampled: 08:15 Sample Matrix: Soil					Laboratory Sample ID: 211338-1 Date Received: 11/10/2005 Time Received: 20:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	94.4	N	4.7	24.8	1	mg/Kg	57772		11/17/05 1201	cmh

* In Description = Dry Wgt.

Page 3

Job Number: 211338

LABORATORY CHRONICLE

Date: 12/07/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Doane Cafferty

Lab ID: 211338-1	Client ID: RCA-COMP-111005	Date Recvd: 11/10/2005	Sample Date: 11/10/2005				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	57449			11/12/2005	0000
7470/7471	7470 Digestion (Hg)	1	57505			11/14/2005	1144
3050B	Acid Digestion: Solids (ICAP)	1	57605			11/16/2005	0920
3541	Extraction Soxhlet (SVOC)	1	57479			11/11/2005	0000
3550B	Extraction Ultrasonic (Chlor.Pest.)	1	57482			11/11/2005	0000
7471A	Mercury (CVAA) Solids	1	57611	57505		11/15/2005	1643
6010B	Metals Analysis (ICAP Trace)	1	57772	57605		11/17/2005	1201
8081A	Organochlorine Pesticide Analysis	1	57536	57482		11/14/2005	2231
8081A	Organochlorine Pesticide Analysis	1	57537	57482		11/14/2005	2231
8081A	Organochlorine Pesticide Confirmation	1	57536	57482		11/14/2005	2231
8081A	Organochlorine Pesticide Confirmation	1	57537	57482		11/14/2005	2231
8082	PCB Analysis	1	57883	57821		11/18/2005	1744
8082	PCB Analysis, Confirmation	1	57884	57821		11/18/2005	1744
8270C	Semivolatile Organics	1	57543	57479		11/13/2005	2138
8270C	Semivolatile Organics	2	57543	57479		11/14/2005	1959

Job Number.: 211338

SURROGATE RECOVERIES REPORT

Report Date.: 11/22/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Doane Gafferty

Method.....: Semivolatile Organics
Batch(s).....: 57543Method Code...: 8270
Test Matrix...: SolidPrep Batch....: 57479
Equipment Code: MSZ

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS-57479-2			11/13/2005	98	88	88	88	89	103
MB-57479-1			11/13/2005	102	89	91	90	93	106
211338- 1		RCA-COMP-111005	11/13/2005	8 *	89	45	86	77	72
211338- 1	DL	RCA-COMP-111005	11/14/2005	8 D	88	54	81	72	61

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	24 - 150
2FLUBP	2-Fluorobiphenyl (surr)	32 - 131
2FLUPH	2-Fluorophenol (surr)	25 - 113
NITRD5	Nitrobenzene-d5 (surr)	25 - 120
PHEND5	Phenol-d5 (surr)	27 - 122
TERD14	Terphenyl-d14 (surr)	35 - 140

QUALITY CONTROL RESULTS					
Job Number.: 211338			Report Date.: 11/22/2005		
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN: Doane Cafferty	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: 8270C	Equipment Code.....: MSZ	Analyst....: dmm
Method Description.: Semivolatile Organics	Batch.....: 57543	

LCS	Laboratory Control Sample	E05JSPK005	57479 -002		11/13/2005 1836			
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aniline, Solid	ug/Kg	1146.57		2667.00		43	% 16-89	
Phenol, Solid	ug/Kg	2262.74		2667.00		85	% 46-110	
2-Methylphenol, Solid	ug/Kg	2289.63		2667.00		86	% 42-113	
4-Methylphenol, Solid	ug/Kg	4708.77		5333.00		88	% 45-117	
2-Chlorophenol, Solid	ug/Kg	2315.93		2667.00		87	% 46-110	
Nitrobenzene, Solid	ug/Kg	2272.20		2667.00		85	% 45-108	
Benzoic acid, Solid	ug/Kg	2270.91		2667.00		85	% 0-36	*
Isophorone, Solid	ug/Kg	2362.27		2667.00		89	% 48-109	
Naphthalene, Solid	ug/Kg	2264.66		2667.00		85	% 45-109	
2,4-Dichlorophenol, Solid	ug/Kg	2328.98		2667.00		87	% 45-113	
4-Chloroaniline, Solid	ug/Kg	914.86		2667.00		34	% 18-78	
2,4,5-Trichlorophenol, Solid	ug/Kg	2410.99		2667.00		90	% 45-117	
2-Methylnaphthalene, Solid	ug/Kg	2296.62		2667.00		86	% 42-109	
2-Nitroaniline, Solid	ug/Kg	2595.79		2667.00		97	% 49-122	
4-Chloro-3-methylphenol, Solid	ug/Kg	2494.45		2667.00		94	% 46-120	
2,6-Dinitrotoluene, Solid	ug/Kg	2676.59		2667.00		100	% 51-126	
2-Nitrophenol, Solid	ug/Kg	2312.00		2667.00		87	% 37-111	
3-Nitroaniline, Solid	ug/Kg	1884.26		2667.00		71	% 37-107	
Dimethyl phthalate, Solid	ug/Kg	2536.70		2667.00		95	% 50-120	
2,4-Dinitrophenol, Solid	ug/Kg	2556.61		2667.00		96	% 10-36	*
Acenaphthylene, Solid	ug/Kg	2435.60		2667.00		91	% 49-117	
Acenaphthene, Solid	ug/Kg	2375.30		2667.00		89	% 47-116	
Dibenzofuran, Solid	ug/Kg	2409.69		2667.00		90	% 49-117	
4-Nitrophenol, Solid	ug/Kg	2611.73		2667.00		98	% 39-130	
Fluorene, Solid	ug/Kg	2497.47		2667.00		94	% 50-119	
Hexachlorobenzene, Solid	ug/Kg	2460.62		2667.00		92	% 51-122	
Diethyl phthalate, Solid	ug/Kg	2619.66		2667.00		98	% 49-126	
Pentachlorophenol, Solid	ug/Kg	2645.51		2667.00		99	% 10-116	
Phenanthrene, Solid	ug/Kg	2564.11		2667.00		96	% 50-125	
Anthracene, Solid	ug/Kg	2595.83		2667.00		97	% 48-128	
Di-n-butyl phthalate, Solid	ug/Kg	2685.35		2667.00		101	% 51-130	
Fluoranthene, Solid	ug/Kg	2606.19		2667.00		98	% 48-131	
Pyrene, Solid	ug/Kg	2606.75		2667.00		98	% 49-131	
Butyl benzyl phthalate, Solid	ug/Kg	2667.58		2667.00		100	% 51-132	
Benzo(a)anthracene, Solid	ug/Kg	2538.37		2667.00		95	% 49-129	
Chrysene, Solid	ug/Kg	2544.23		2667.00		95	% 51-129	
3,3-Dichlorobenzidine, Solid	ug/Kg	1413.63		2667.00		53	% 22-97	
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	2694.41		2667.00		101	% 51-134	
Di-n-octyl phthalate, Solid	ug/Kg	2866.79		2667.00		108	% 45-140	
Benzo(b)fluoranthene, Solid	ug/Kg	2701.05		2667.00		101	% 42-134	
Benzo(k)fluoranthene, Solid	ug/Kg	2596.49		2667.00		97	% 47-134	
Benzo(a)pyrene, Solid	ug/Kg	2540.48		2667.00		95	% 49-131	
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	2295.99		2667.00		86	% 42-127	
Dibenzo(a,h)anthracene, Solid	ug/Kg	2353.93		2667.00		88	% 42-127	
Benzo(ghi)perylene, Solid	ug/Kg	2310.02		2667.00		87	% 43-124	

SURROGATE RECOVERIES REPORT		
Job Number.: 211338		Report Date.: 11/15/2005
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES	PROJECT: RIVER PLACE 2	ATTN: Doane Cafferty

Method.....: Organochlorine Pesticide Confirmation Batch(s).....: 57536	Method Code....: 8081 Test Matrix....: Solid	Prep Batch.....: 57482 Equipment Code: GC1C
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Lab ID	DT	Sample ID	Date	DCB	TCX
LCS-57482-2			11/14/2005	125	127
MB-57482-1			11/14/2005	120	118
211338- 1		RCA-COMP-111005	11/14/2005	82	30

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	25 - 159
TCX	Tetrachloro-m-xylene (surr)	24 - 154

SURROGATE RECOVERIES REPORT	Report Date.: 11/15/2005
Job Number.: 211338	

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES	PROJECT: RIVER PLACE 2	ATTN: Doane Cafferty
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Method.....: Organochlorine Pesticide Confirmation Batch(s).....: 57537	Method Code....: 8081CF Test Matrix....: Solid	Prep Batch....: 57482 Equipment Code: GC1D
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Lab ID	DT	Sample ID	Date	DCB	TCX
LCS-57482-2			11/14/2005	119	127
MB-57482-1			11/14/2005	114	117
211338- 1		RCA-COMP-111005	11/14/2005	206*	27

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	25 - 159
TCX	Tetrachloro-m-xylene (surr)	24 - 154

QUALITY CONTROL RESULTS		Job Number.: 211338		Report Date.: 11/15/2005	
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN: Doane Cafferty	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
Test Method.....: 8081A Equipment Code.....: GC1C Analyst....: kam Method Description.: Organochlorine Pesticide Confirmation Batch.....: 57536					

LCS	Laboratory Control Sample	E05KSPK010	57482 -002		11/14/2005 1521
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
alpha-BHC, Solid	ug/Kg	6.430		6.667	0.275	U 96	% 17-144	
beta-BHC, Solid	ug/Kg	6.820		6.667	0.269	U 102	% 62-154	
gamma-BHC (Lindane), Solid	ug/Kg	7.110		6.667	0.152	U 107	% 46-146	
Heptachlor, Solid	ug/Kg	7.970		6.667	0.150	U 120	% 44-162	
Aldrin, Solid	ug/Kg	6.667		6.667	0.356	U 100	% 34-156	
Heptachlor epoxide, Solid	ug/Kg	6.583		6.667	0.114	U 99	% 65-143	
Endosulfan I, Solid	ug/Kg	7.830		6.667	0.147	U 117	% 66-145	
Dieldrin, Solid	ug/Kg	7.827		6.667	0.321	U 117	% 73-152	
Endrin, Solid	ug/Kg	8.660		6.667	0.890	U 130	% 80-168	
Endosulfan II, Solid	ug/Kg	6.483		6.667	0.170	U 97	% 75-150	
4,4'-DDD, Solid	ug/Kg	7.297		6.667	0.381	U 109	% 67-139	
4,4'-DDT, Solid	ug/Kg	7.267		6.667	0.309	U 109	% 58-151	
gamma-Chlordane, Solid	ug/Kg	6.380		6.667	0.091	U 96	% 64-140	
Endrin ketone, Solid	ug/Kg	6.710		6.667	0.144	U 101	% 70-148	

Job Number.: 211338		QUALITY CONTROL RESULTS			Report Date.: 11/15/2005	
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES			PROJECT: RIVER PLACE 2		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8081A	Equipment Code.....: GC1D	Analyst....: kam
Method Description.: Organochlorine Pesticide Confirmation	Batch.....: 57537	

LCS	Laboratory Control Sample	E05KSPK010	57482 -002		11/14/2005	1521
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
delta-BHC, Solid	ug/Kg	0.103	U	6.667	0.103	U 0	%	10-129	*
4,4'-DDE, Solid	ug/Kg	6.740		6.667	0.434	U 101	%	64-153	
Endosulfan sulfate, Solid	ug/Kg	3.710		6.667	0.173	U 56	%	10-164	
Methoxychlor, Solid	ug/Kg	7.030	J	6.667	2.114	U 105	%	70-200	

Job Number.: 211338

SURROGATE RECOVERIES REPORT

Report Date.: 11/21/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Doane Cafferty

Method.....: PCB Analysis
Batch(s).....: 57883Method Code...: 8082
Test Matrix...: SolidPrep Batch.....: 57821
Equipment Code: GC4D

Lab ID	DT	Sample ID	Date	DCB	TCX
LCS-57821-3			11/18/2005	98	96
MB-57821-1			11/18/2005	87	92
211338- 1		RCA-COMP-111005	11/18/2005	88	84

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	25 - 159
TCX	Tetrachloro-m-xylene (surr)	24 - 154

Job Number.: 211338

SURROGATE RECOVERIES REPORT

Report Date.: 11/21/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Doane Cafferty

Method.....: PCB Analysis, Confirmation
Batch(s).....: 57884Method Code....: 8082CF
Test Matrix....: SolidPrep Batch.....: 57821
Equipment Code: GC4C

Lab ID	DT	Sample ID	Date	DCB	TCX
LCS-57821-3			11/18/2005	78	91
MB-57821-1			11/18/2005	63	82
211338- 1		RCA-COMP-111005	11/18/2005	78	64

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	25 - 159
TCX	Tetrachloro-m-xylene (surr)	24 - 154

Job Number.: 211338	QUALITY CONTROL RESULTS	Report Date.: 11/21/2005
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CUSTOMER: LANGAN ENVIRONMENTAL SERVICES	PROJECT: RIVER PLACE 2	ATTN: Doane Cafferty
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082	Equipment Code.....: GC4D	Analyst....: mds
Method Description.: PCB Analysis	Batch.....: 57883	

LCS	Laboratory Control Sample	E05KSPK001	57821 -003		11/18/2005	1637
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016, Solid	ug/Kg	119.477		166.700	2.810	U 72	%	42-130	
Aroclor 1260, Solid	ug/Kg	126.657		166.700	3.990	U 76	%	50-128	

QUALITY CONTROL RESULTS		Job Number.: 211338		Report Date.: 11/23/2005	
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN: Doane Cafferty	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
Test Method.....: 6010B		Equipment Code.....: ICAP2		Analyst....: dwh	
Method Description.: Metals Analysis (ICAP Trace)		Batch.....: 57772			

LCS	Laboratory Control Sample	M05DLCS001	57605 -002		11/17/2005 1048
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	1448.52		1500.00		97	% 80.0-120.0	
Antimony, Solid	mg/Kg	259.25		250.00		104	% 80.0-120.0	
Arsenic, Solid	mg/Kg	264.12		250.00		106	% 80.0-120.0	
Barium, Solid	mg/Kg	77.17		75.00		103	% 80.0-120.0	
Beryllium, Solid	mg/Kg	26.88		25.00		108	% 80.0-120.0	
Cadmium, Solid	mg/Kg	77.46		75.00		103	% 80.0-120.0	
Calcium, Solid	mg/Kg	7575.90		7500.00		101	% 80.0-120.0	
Chromium, Solid	mg/Kg	79.05		75.00		105	% 80.0-120.0	
Cobalt, Solid	mg/Kg	79.30		75.00		106	% 80.0-120.0	
Copper, Solid	mg/Kg	75.68		75.00		101	% 80.0-120.0	
Iron, Solid	mg/Kg	6194.42		6250.00		99	% 80.0-120.0	
Lead, Solid	mg/Kg	257.35		250.00		103	% 80.0-120.0	
Magnesium, Solid	mg/Kg	3678.70		3750.00		98	% 80.0-120.0	
Manganese, Solid	mg/Kg	51.66		50.00		103	% 80.0-120.0	
Nickel, Solid	mg/Kg	77.35		75.00		103	% 80.0-120.0	
Potassium, Solid	mg/Kg	4541.09		5000.00		91	% 80.0-120.0	
Selenium, Solid	mg/Kg	132.04		125.00		106	% 80.0-120.0	
Silver, Solid	mg/Kg	75.41		75.00		101	% 80.0-120.0	
Sodium, Solid	mg/Kg	6780.84		7500.00		90	% 80.0-120.0	
Thallium, Solid	mg/Kg	254.72		250.00		102	% 80.0-120.0	
Vanadium, Solid	mg/Kg	80.27		75.00		107	% 80.0-120.0	
Zinc, Solid	mg/Kg	78.63		75.00		105	% 80.0-120.0	

QUALITY CONTROL RESULTS		Job Number.: 211338		Report Date.: 11/23/2005	
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
Test Method.....: 6010B		Equipment Code....: ICAP2		Analyst....: dwh	
Method Description.: Metals Analysis (ICAP Trace)		Batch.....: 57772			

MB	Method: Blank		57605 -001		11/17/2005 1042
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	20.0	U					
Antimony, Solid	mg/Kg	1.1	U					
Arsenic, Solid	mg/Kg	1.2	U					
Barium, Solid	mg/Kg	0.2	U					
Beryllium, Solid	mg/Kg	0.5	U					
Cadmium, Solid	mg/Kg	1.0	U					
Calcium, Solid	mg/Kg	11.6	U					
Chromium, Solid	mg/Kg	0.3	U					
Cobalt, Solid	mg/Kg	0.4	U					
Copper, Solid	mg/Kg	0.8	U					
Iron, Solid	mg/Kg	10.2	U					
Lead, Solid	mg/Kg	0.8	U					
Magnesium, Solid	mg/Kg	9.2	U					
Manganese, Solid	mg/Kg	0.6	U					
Nickel, Solid	mg/Kg	0.4	U					
Potassium, Solid	mg/Kg	40.0	U					
Selenium, Solid	mg/Kg	1.6	U					
Silver, Solid	mg/Kg	0.3	U					
Sodium, Solid	mg/Kg	20.0	U					
Thallium, Solid	mg/Kg	4.2	U					
Vanadium, Solid	mg/Kg	0.4	U					
Zinc, Solid	mg/Kg	3.8	U					

QUALITY CONTROL RESULTS				Report Date.: 11/23/2005	
Job Number.: 211338					
CUSTOMER.: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
Test Method.....: 6010B		Equipment Code.....: ICAP2		Analyst....: dwh	
Method Description.: Metals Analysis (ICAP Trace)		Batch.....: 57772			

MD	Method Duplicate		211335-1		11/17/2005 1118
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	5676.13			6526.89	13.9	20.0	
Antimony, Solid	mg/Kg	1.01	U		1.01	U 595.5165	937.5360	
Arsenic, Solid	mg/Kg	3.13	B		4.13	B 921.1108	1003.3280	
Barium, Solid	mg/Kg	99.74			135.66	30.5	20.0	*
Beryllium, Solid	mg/Kg	0.44	U		0.44	U 42.6264	411.2000	
Cadmium, Solid	mg/Kg	0.89	U		0.89	U 168.8057	822.4000	
Calcium, Solid	mg/Kg	4533.36			4825.27	6.2	20.0	
Chromium, Solid	mg/Kg	13.24			17.31	26.6	20.0	*
Cobalt, Solid	mg/Kg	5.91			7.04	17.5	20.0	
Copper, Solid	mg/Kg	24.26			22.20	8.9	20.0	
Iron, Solid	mg/Kg	13168.37			13674.60	3.8	20.0	
Lead, Solid	mg/Kg	44.16			44.68	1.2	20.0	
Magnesium, Solid	mg/Kg	2798.62			4057.62	36.7	20.0	*
Manganese, Solid	mg/Kg	338.08			305.57	10.1	20.0	
Nickel, Solid	mg/Kg	28.11			33.05	16.1	20.0	
Potassium, Solid	mg/Kg	976.09			1082.44	10.3	20.0	
Selenium, Solid	mg/Kg	1.42	U		1.42	U 7.8091	1315.8400	
Silver, Solid	mg/Kg	0.28	U		0.28	U 65.1267	263.1680	
Sodium, Solid	mg/Kg	238.10			202.45	16.2	20.0	
Thallium, Solid	mg/Kg	3.70	U		3.70	U 4018.4543	3429.4080	
Vanadium, Solid	mg/Kg	19.60			27.82	34.7	20.0	*
Zinc, Solid	mg/Kg	62.49			73.89	16.7	20.0	

QUALITY CONTROL RESULTS					
Job Number.: 211338			Report Date.: 11/23/2005		
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: 6010B	Equipment Code....: ICAP2	Analyst....: dwh
Method Description.: Metals Analysis (ICAP Trace)	Batch.....: 57772	

MS	Matrix Spike	M04AWRK013	211335-1		11/17/2005 1124
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	5504.86		81.81	6526.89	-1249	75-125	4
Antimony, Solid	mg/Kg	1.87	B	8.18	1.17	U 23	75-125	N
Arsenic, Solid	mg/Kg	6.17	B	3.27	4.13	B 62	75-125	N
Barium, Solid	mg/Kg	163.40		81.81	135.66	34	75-125	N
Beryllium, Solid	mg/Kg	2.40		2.05	0.51	U 117	75-125	
Cadmium, Solid	mg/Kg	4.26		4.09	1.02	U 104	75-125	
Calcium, Solid	mg/Kg	5804.08		409.10	4825.27	239	75-125	4
Chromium, Solid	mg/Kg	23.80		8.18	17.31	79	75-125	
Cobalt, Solid	mg/Kg	26.44		20.45	7.04	95	75-125	
Copper, Solid	mg/Kg	37.18		10.23	22.20	147	75-125	N
Iron, Solid	mg/Kg	11773.77		40.91	13674.60	-4647	75-125	4
Lead, Solid	mg/Kg	35.87		1.64	44.68	-538	75-125	4
Magnesium, Solid	mg/Kg	3062.74		409.10	4057.62	-243	75-125	4
Manganese, Solid	mg/Kg	350.04		20.45	305.57	217	75-125	4
Nickel, Solid	mg/Kg	51.36		20.45	33.05	90	75-125	
Potassium, Solid	mg/Kg	1175.99		409.10	1082.44	23	75-125	N
Selenium, Solid	mg/Kg	2.77	B	4.09	1.64	U 68	75-125	N
Silver, Solid	mg/Kg	1.79	B	2.05	0.33	U 88	75-125	
Sodium, Solid	mg/Kg	539.08		409.10	202.45	82	75-125	
Thallium, Solid	mg/Kg	4.66	B	4.26	4.26	U 114	75-125	
Vanadium, Solid	mg/Kg	38.92		20.45	27.82	54	75-125	N
Zinc, Solid	mg/Kg	88.85		20.45	73.89	73	75-125	N

QUALITY CONTROL RESULTS		Report Date.: 11/23/2005	
Job Number.: 211338			
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2	
		ATTN:	
QC Type	Description	Reag. Code	Lab ID
			Dilution Factor
			Date
			Time
Test Method.....: 6010B		Equipment Code.....: ICAP2	
Method Description.: Metals Analysis (ICAP Trace)		Batch.....: 57772	
Analyst....: dwh			

PDS	Post Digestion Spike ICAP	M03EWRK023	211335-1	11/17/2005 1130
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Antimony, Solid	mg/Kg	27.38		27.00	1.54	U 101	75-125	
Arsenic, Solid	mg/Kg	15.44		10.80	4.13	B 105	75-125	
Barium, Solid	mg/Kg	661.85		540.00	135.66	97	75-125	
Copper, Solid	mg/Kg	87.65		67.49	22.20	97	75-125	
Potassium, Solid	mg/Kg	3531.41		2700.00	1082.44	91	75-125	
Selenium, Solid	mg/Kg	13.40	B	13.50	2.16	U 99	75-125	
Vanadium, Solid	mg/Kg	165.81		135.00	27.82	102	75-125	
Zinc, Solid	mg/Kg	209.99		135.00	73.89	101	75-125	

QUALITY CONTROL RESULTS		Report Date.: 11/23/2005	
Job Number.: 211338			
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES.		PROJECT: RIVER PLACE 2	
		ATTN:	
QC Type	Description	Reag. Code	Lab ID
			Dilution Factor
			Date
			Time
Test Method.....: 6010B		Equipment Code.....: ICAP2	
Method Description.: Metals Analysis (ICAP Trace)		Batch.....: 57772	
		Analyst....: dwh	

SD	Serial Dilution			211338-1			11/17/2005	1207
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	
Aluminum, Solid	mg/Kg	1186.81			6312.67	6.0	10.0	
Antimony, Solid	mg/Kg	1.41	U		1.41	U		
Arsenic, Solid	mg/Kg	1.51	U		3.71	B		
Barium, Solid	mg/Kg	25.35			135.17	6.2	10.0	
Beryllium, Solid	mg/Kg	0.62	U		0.62	U		
Cadmium, Solid	mg/Kg	1.24	U		1.24	U		
Calcium, Solid	mg/Kg	3660.20			19348.51	5.4	10.0	
Chromium, Solid	mg/Kg	3.32	B		17.09			
Cobalt, Solid	mg/Kg	0.79	B		5.37			
Copper, Solid	mg/Kg	3.54	B		23.58			
Iron, Solid	mg/Kg	2166.37			11556.57	6.3	10.0	
Lead, Solid	mg/Kg	15.12			81.77	7.5	10.0	
Magnesium, Solid	mg/Kg	930.06			5059.04	8.1	10.0	
Manganese, Solid	mg/Kg	41.37			219.79	5.9	10.0	
Nickel, Solid	mg/Kg	2.68	B		14.96			
Potassium, Solid	mg/Kg	188.07	B		904.46			
Selenium, Solid	mg/Kg	1.98	U		1.98	U		
Silver, Solid	mg/Kg	0.40	U		0.40	U		
Sodium, Solid	mg/Kg	41.61	B		243.75			
Thallium, Solid	mg/Kg	5.17	U		5.17	U		
Vanadium, Solid	mg/Kg	4.34	B		21.94			
Zinc, Solid	mg/Kg	17.94	B		94.44			

QUALITY CONTROL RESULTS		
Job Number.: 211338	Report Date.: 11/23/2005	
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES	PROJECT: RIVER PLACE 2	ATTN: Doane Cafferty

Test Method.....: 7471A	Batch.....: 57611	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	57611-001	M05KWRK001	ug/L	497.06		500.00		99		80-120	11/15/2005	1511
ICB	57611-002		ug/L	0.1	U						11/15/2005	1512
MB	57505 -001		mg/Kg	0.015	U						11/15/2005	1513
LCS	57505 -002	M05CLCS003	mg/Kg	1.61		1.77		91		% 68.4-132	11/15/2005	1514
CCV	57611-013	M05KWRK001	ug/L	486.27		500.00		97		% 80-120	11/15/2005	1525
CCB	57611-014		ug/L	0.1	U						11/15/2005	1527
CCV	57611-025	M05KWRK001	ug/L	490.26		500.00		98		% 80-120	11/15/2005	1540
CCB	57611-026		ug/L	0.1	U						11/15/2005	1541
CCV	57611-035	M05KWRK001	ug/L	494.36		500.00		99		% 80-120	11/15/2005	1555
CCB	57611-036		ug/L	0.1	U						11/15/2005	1556
CCV	57611-047	M05KWRK001	ug/L	500.53		500.00		100		% 80-120	11/15/2005	1609
CCB	57611-048		ug/L	0.1	B						11/15/2005	1610
MD	211312-2		mg/Kg	0.01	U		0.01	U	1.8885	10.7145	11/15/2005	1619
MS	211312-2	M04AWRK011	mg/Kg	0.18		0.17	0.01	U	109	75-125	11/15/2005	1620
CCV	57611-057	M05KWRK001	ug/L	523.43		500.00		105		% 80-120	11/15/2005	1622
CCB	57611-058		ug/L	0.1	U						11/15/2005	1624
CCV	57611-068	M05KWRK001	ug/L	492.36		500.00		98		% 80-120	11/15/2005	1637
CCB	57611-069		ug/L	0.1	U						11/15/2005	1638
CCV	57611-079	M05KWRK001	ug/L	499.94		500.00		100		% 80-120	11/15/2005	1652
CCB	57611-080		ug/L	0.1	B						11/15/2005	1654
CCV	57611-083	M05KWRK001	ug/L	492.68		500.00		99		% 80-120	11/15/2005	1657
CCB	57611-084		ug/L	0.1	B						11/15/2005	1658

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/30/2005

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRODL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/30/2005

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

APPENDIX Q
SUMMARY OF VOC, SVOC, AND HERBICIDE DETECTIONS IN NEW YORK SAND AND STONE COMPOSITE SAMPLE
RIVER PLACE II
NEW YORK, NEW YORK

Sample Location Client ID Date Sampled Units	NYSDEC TAGM RECOMMENDED SOIL CLEANUP CRITERIA ug/Kg	New York Sand and Stone NYSS-SAND 1/20/2006 ug/Kg		
VOCs				
1,2,4-Trimethylbenzene	10000*	<	6	U
2-Butanone	300	<	12	U
4-Methyl-2-pentanone	1000	<	12	U
Acetone	200	<	24	U
Benzene	60	<	6	U
Carbon Disulfide	2700	<	6	U
Ethylbenzene	5500	<	6	U
Methylene chloride	100	<	24	U
Toluene	1500	<	6	U
Total Xylenes	1200	<	6	U
SVOCs				
Phenol	30 or MDL	<	390	U
Naphthalene	13000	<	390	U
2-Methylnaphthalene	36400	<	390	U
Acenaphthylene	50000*	<	390	U
Acenaphthene	50000*	<	390	U
Dibenzofuran	6200	<	390	U
Fluorene	50000*	<	390	U
Phenanthrene	50000*	<	390	U
Anthracene	50000*	<	390	U
Fluoranthene	50000*	<	390	U
Pyrene	50000*	<	390	U
Butyl benzyl phthalate	NS	<	390	U
Benzo(a)anthracene	224 or MDL	<	390	U
Chrysene	400	<	390	U
Bis(2-ethylhexyl)phthalate	50000*	<	390	U
Benzo(b)fluoranthene	220 or MDL	<	390	U
Benzo(k)fluoranthene	220 or MDL	<	390	U
Benzo(a)pyrene	61 or MDL	<	390	U
Indeno(1 2 3-cd)pyrene	3200	<	390	U
Dibenzo(a h)anthracene	14 or MDL	<	390	U
Benzo(ghi)perylene	50000*	<	390	U
HERBICIDES				
2,4-D	500	<	20	U
2,4,5-T	1900	<	20	U
2,4,5-TP (Silvex)	NS	<	20	U

QUALIFIERS:

U - Analyte was not detected at or above the reporting limit.

NOTES:

1. NYSDEC TAGM - New York State Department of Environmental Conservation, Technical and Administrative Guidance Memorandum
 2. * As per TAGM, Total VOCs < 10 ppm., Total Semi-VOCs < 500ppm. and Individual Semi-VOCs < 50 ppm.
- MDL - Method Detection Limit
NS - No Standard
ug/Kg - micrograms per kilograms
< = Laboratory verifies that the compound is not detected at or above the reporting limit

APPENDIX Q
SUMMARY OF METAL DETECTIONS IN NEW YORK SAND AND STONE COMPOSITE SAMPLE
RIVER PLACE II
NEW YORK, NEW YORK

Sample Location Client ID Date Sampled Units	NYSDEC TAGM RECOMMENDED SOIL CLEANUP CRITERIA mg/Kg	New York Sand and Stone NYSS-SAND 1/20/2006 mg/Kg	
METALS			
Aluminum	SB	735	
Antimony	SB	< 1.6	UN
Arsenic	7.5 or SB	< 1.7	U
Barium	300 or SB	1.5	B*N
Beryllium	0.16 or SB	< 0.7	UN
Cadmium	1 or SB	< 1.4	U
Calcium	SB	3000	
Chromium	10 or SB	2.5	B
Cobalt	30 or SB	< 0.59	U
Copper	25 or SB	< 1.1	U
Iron	2000 or SB	2660	
Lead	SB****	< 1.1	U
Magnesium	SB	421	
Manganese	SB	20.8	
Mercury	0.1	< 0.016	U
Nickel	13 or SB	2.4	B
Potassium	SB	192	B
Selenium	2 or SB	< 2.2	U
Silver	SB	< 0.45	U
Sodium	SB	74.8	B
Thallium	SB	< 5.8	U
Vanadium	150 or SB	3.6	B
Zinc	20 or SB	5.6	B

QUALIFIERS:

U - Analyte was not detected at or above the reporting limit
B - Result is less then the Reporting Limits, but greater than or equal to the Method Detection Limit.
* - Batch QC exceeds the upper or lower control limits.
N - Spike Recovery exceeds the upper or the lower control limits.

NOTES:

1. NYSDEC TAGM - New York State Department of Environmental Conservation, Technical and Administrative Guidance Memorandum
2. **** Background levels for lead vary widely. Average background levels in metropolitan or suburban areas or near highways range from 200-500 ppm.
SB = Site Background
< = Laboratory verifies that the compound is not detected at or above the reporting limit.

ANALYTICAL REPORT

JOB NUMBER: 211921

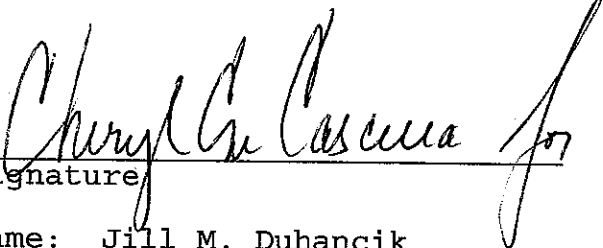
Prepared For:

LANGAN ENVIRONMENTAL SERVICES
21 PENN PLAZA
360 WEST 31ST STREET, 8th Floor
NY, NY 10001-2727

Project: RIVER PLACE 2

Attention: Craig Puerta

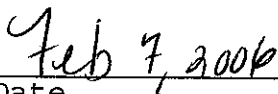
Date: 02/07/2006


Signature

Name: Jill M. Duhancik

Title: Project Manager

E-Mail: jduhancik@stl-inc.com


Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (323) Pages

STL Report : 211921
LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES

Case Narrative

Sample Receipt – The samples were received at 12.4°C. The client was notified, and the laboratory was instructed to proceed with the analyses.

The following analyses were subcontracted out to the indicated laboratories:

8081-Pesticides, 8082-PCBs, & 8151-Herbicides sent to STL Edison, 777 New Durham Road, Edison, NJ 08817.

Organic Extraction - Samples were extracted according to method 3541. No problems were encountered.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 5030B/8260B.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples except for dibromochloromethane in 60491-2LCS.

Sample Calculation:

Sample ID-60491-2LCS
Compound-Vinyl Chloride

$$\frac{(188507 \text{ area})(125\text{ng})}{(671373 \text{ area})(.335 \text{ area/ng})(5\text{g})} = 20.95 \text{ ug/Kg.}$$

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC Protocols using guidance provided in Method 8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

A 1ul injection was used for all samples and standards. Refer to the standard concentration form behind the Form 8's for specific compound concentrations in each of the calibration levels. Internal standards were added to all samples and standards at 20ng/ul.

All samples were analyzed without any apparent problems.

Sample Calculation:

Sample ID – NYSS-SAND

Compound – di-n-butylphthalate

$$\frac{(31018\text{Area})(20\text{ng})(1000\text{ul})}{(376556\text{Area})(1.375\text{Area/ng})(1\text{ul})(15.1\text{g})(.834)} = 95.1 = 95\text{ug/kg}$$

Metals – ICAP metals were determined using a TJA61E trace ICAP; mercury was determined by cold vapor technique using a Perkin Elmer mercury analyzer; following guidance provided in SW846 according to methods: ICAP – 3050B/6010B; mercury-7471A.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION

Date: 02/07/2006

Job Number.: 211921

Customer....: LANGAN ENVIRONMENTAL SERVICES

Attn.....: Craig Puerta

Project Number.....: 20001707

Customer Project ID....: RIVER PLACE 2

Project Description....: River Place 2

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
211921-1	NYSS-SAND	Soil	01/20/2006	10:30	01/23/2006	09:50

LABORATORY TEST RESULTS

Job Number: 211921

Date: 01/30/2006

CUSTOMER: LANFAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Craig Puerta

Customer Sample ID: NYSS-SAND
 Date Sampled.....: 01/20/2006
 Time Sampled.....: 10:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 211921-1
 Date Received.....: 01/23/2006
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MEL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASIN D-2216	% Solids, Solid	83.4			0.10	0.10	1	%	60536		01/23/06 1730	dtn
	% Moisture, Solid	16.6			0.10	0.10	1	%	60536		01/23/06 1730	dtn
8260B	Volatile Organics	ND			1.0	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Vinyl chloride, Solid*	ND			2.3	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Chloroethane, Solid*	ND			1.3	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	1,1-Dichloroethane, Solid*	ND			0.76	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Trichlorotrifluoroethane, Solid*	ND			0.73	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Carbon disulfide, Solid*	ND			3.8	24	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Acetone, Solid*	ND			2.6	24	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Methylene chloride, Solid*	ND			0.70	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	trans-1,2-Dichloroethane, Solid*	ND			1.1	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Methyl-tert-butyl-ether (MTBE), Solid*	ND			0.97	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	1,1-Dichloroethane, Solid*	ND			2.1	12	1.00000	ug/kg	60492		01/23/06 1654	lhd
	2-Butanone (MEX), Solid*	ND			0.64	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Chloroform, Solid*	ND			1.0	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	1,1,1-Trichloroethane, Solid*	ND			0.94	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Carbon tetrachloride, Solid*	ND			1.0	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Benzene, Solid*	ND			1.2	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	1,2-Dichloroethane, Solid*	ND			0.82	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Trichloroethane, Solid*	ND			1.4	12	1.00000	ug/kg	60492		01/23/06 1654	lhd
	4-Methyl-2-pentanone (MEX), Solid*	ND			1.0	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Toluene, Solid*	ND			0.84	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Tetrachloroethane, Solid*	ND			1.1	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	1,3-Dichloropropane, Solid*	ND			0.49	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Dibromochloromethane, Solid*	ND			0.95	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Chlorobenzene, Solid*	ND			0.95	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd
	Ethylbenzene, Solid*	ND			0.95	6.0	1.00000	ug/kg	60492		01/23/06 1654	lhd

* In Description = Dry Wgt.

Page 2

Job Number: 211921

LABORATORY TEST RESULTS

Date: 01/30/2006

CUSTOMER: LANCAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Craig Puerta

Customer Sample ID: NYSS-SAND

Date Sampled.....: 01/20/2006

Time Sampled.....: 10:30

Sample Matrix.....: Soil

Laboratory Sample ID: 211921-1

Date Received.....: 01/23/2006

Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Isopropylbenzene, Solid*	ND	U	1.2	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U	1.5	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	1,2,3-Trichloropropane, Solid*	ND	U	1.9	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	n-Propylbenzene, Solid*	ND	U	0.88	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	1,3,5-Trimethylbenzene, Solid*	ND	U	1.0	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	Xylenes (total), Solid*	ND	U	2.4	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	1,2,4-Trimethylbenzene, Solid*	ND	U	0.73	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	sec-Butylbenzene, Solid*	ND	U	1.1	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	1,3-Dichlorobenzene, Solid*	ND	U	1.7	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	p-Isopropyltoluene, Solid*	ND	U	1.1	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	1,4-Dichlorobenzene, Solid*	ND	U	1.4	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	n-Butylbenzene, Solid*	ND	U	0.97	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	1,2-Dichlorobenzene, Solid*	ND	U	1.1	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd
	1,2,4-Trichlorobenzene, Solid*	ND	U	0.73	6.0	1.00000	ug/Kg	60492		01/23/06 1654	lhd

* In Description = Dry Wgt.

Page 3

LABORATORY TEST RESULTS											
Job Number: 211921						Date:01/30/2006					
CUSTOMER: LANXAN ENVIRONMENTAL SERVICES											
PROJECT: RIVER PLACE 2											
ATTN: Craig Puerta											
Laboratory Sample ID: 211921-1											
Date Sampled.....: 01/20/2006											
Date Received.....: 01/23/2006											
Time Sampled.....: 10:30											
Time Received.....: 09:50											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	83.4		0.10	0.10	1	%	60536		01/23/06 1730	dtn
	% Moisture, Solid	16.6		0.10	0.10	1	%	60536		01/23/06 1730	dtn
B270C	Semivolatile Organics	ND									
	Aniline, Solid*	U									
	Phenol, Solid*	U									
	2-Methylphenol, Solid*	U									
	4-Methylphenol, Solid*	U									
	2-Chlorophenol, Solid*	U									
	Nitrobenzene, Solid*	U									
	Benzoic acid, Solid*	U									
	Isophorone, Solid*	U									
	Naphthalene, Solid*	U									
	2,4-Dichlorophenol, Solid*	U									
	4-Chloroaniline, Solid*	U									
	2,4,5-Trichlorophenol, Solid*	U									
	2-Methylnaphthalene, Solid*	U									
	2-Nitroaniline, Solid*	U									
	4-Chloro-3-methylphenol, Solid*	U									
	2,6-Dinitrotoluene, Solid*	U									
	2-Nitrophenol, Solid*	U									
	3-Nitroaniline, Solid*	U									
	Dimethyl phthalate, Solid*	U									
	2,4-Dinitrophenol, Solid*	U									
	Acenaphthylene, Solid*	U									
	Acenaphthene, Solid*	U									
Dibenzofuran, Solid*	U										
4-Nitrophenol, Solid*	U										

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 211921					Date: 01/30/2006							
CUSTOMER: LANCAN ENVIRONMENTAL SERVICES					PROJECT: RIVER PLACE 2							
ATTN: Craig Puerta												
Customer Sample ID: NVSS-SAND												
Laboratory Sample ID: 211921-1												
Date Sampled.....: 01/20/2006												
Time Sampled.....: 10:30												
Sample Matrix.....: Soil												
Date Received.....: 01/23/2006												
Time Received.....: 09:50												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluorene, Solid*	ND	U		51	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Hexachlorobenzene, Solid*	ND	U		58	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Diethyl phthalate, Solid*	ND	U		58	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Pentachlorophenol, Solid*	ND	U		340	1900	1.00000	ug/kg	60532		01/24/06 0037	kam
	Phenanthrene, Solid*	ND	U		46	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Anthracene, Solid*	ND	U		65	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Di-n-butyl phthalate, Solid*	95	J		52	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Fluoranthene, Solid*	ND	U		50	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Pyrene, Solid*	ND	U		55	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Butyl benzyl phthalate, Solid*	ND	U		51	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Benzo(a)anthracene, Solid*	ND	U		54	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Chrysene, Solid*	ND	U		50	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	3,3-Dichlorobenzidine, Solid*	ND	U		110	790	1.00000	ug/kg	60532		01/24/06 0037	kam
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		52	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Di-n-octyl phthalate, Solid*	ND	U		42	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Benzo(b)fluoranthene, Solid*	ND	U		110	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Benzo(k)fluoranthene, Solid*	ND	U		44	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Benzo(a)pyrene, Solid*	ND	U		49	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		40	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Dibenzo(a,h)anthracene, Solid*	ND	U		44	390	1.00000	ug/kg	60532		01/24/06 0037	kam
	Benzo(ghi)perylene, Solid*	ND	U		44	390	1.00000	ug/kg	60532		01/24/06 0037	kam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 211921						Date: 01/31/2006					
ATTN: Craig Puerta											
PROJECT: RIVER PLAGE 2											
Customer Sample ID: 211921-1											
Date Sampled.....: 01/23/2006											
Time Sampled.....: 09:50											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	83.4		0.10	0.10	1	%	60536		01/23/06 1730 dtn	
	% Moisture, Solid	16.6		0.10	0.10	1	%	60536		01/23/06 1730 dtn	
7471A	Mercury (CVAA) Solids	ND	U	0.016	0.055	1.0000	mg/Kg	60671		01/26/06 1452 nmp	
	Mercury, Solid*										
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	735	U	28.0	361	1	mg/Kg	60709		01/25/06 1430 nmp	
	Antimony, Solid*	ND	U	1.6	16.4	1	mg/Kg	60709		01/25/06 1430 nmp	
	Arsenic, Solid*	ND	U	1.7	11.2	1	mg/Kg	60709		01/25/06 1430 nmp	
	Barium, Solid*	1.5	B	0.26	2.8	1	mg/Kg	60709		01/25/06 1430 nmp	
	Beryllium, Solid*	ND	U	0.70	2.8	1	mg/Kg	60709		01/25/06 1430 nmp	
	Cadmium, Solid*	ND	U	1.4	4.2	1	mg/Kg	60709		01/25/06 1430 nmp	
	Calcium, Solid*	3000	U	16.2	119	1	mg/Kg	60709		01/25/06 1430 nmp	
	Chromium, Solid*	2.5	B	0.48	4.2	1	mg/Kg	60709		01/25/06 1430 nmp	
	Cobalt, Solid*	ND	U	0.59	2.8	1	mg/Kg	60709		01/25/06 1430 nmp	
	Copper, Solid*	ND	U	1.1	7.0	1	mg/Kg	60709		01/25/06 1430 nmp	
	Iron, Solid*	2660	U	14.3	203	1	mg/Kg	60709		01/25/06 1430 nmp	
	Lead, Solid*	ND	U	1.1	12.6	1	mg/Kg	60709		01/25/06 1430 nmp	
	Magnesium, Solid*	421	U	12.9	49.0	1	mg/Kg	60709		01/25/06 1430 nmp	
	Manganese, Solid*	20.8	B	0.90	3.5	1	mg/Kg	60709		01/25/06 1430 nmp	
	Nickel, Solid*	2.4	B	0.62	7.0	1	mg/Kg	60709		01/25/06 1430 nmp	
	Potassium, Solid*	192	U	56.0	280	1	mg/Kg	60709		01/25/06 1430 nmp	
	Selenium, Solid*	ND	U	2.2	22.4	1	mg/Kg	60709		01/25/06 1430 nmp	
	Silver, Solid*	ND	U	0.45	4.2	1	mg/Kg	60709		01/25/06 1430 nmp	
	Sodium, Solid*	74.8	B	28.0	132	1	mg/Kg	60709		01/25/06 1430 nmp	
	Thallium, Solid*	ND	U	5.8	28.0	1	mg/Kg	60709		01/25/06 1430 nmp	
	Vanadium, Solid*	3.6	B	0.50	5.6	1	mg/Kg	60709		01/25/06 1430 nmp	

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 211921					Date: 01/31/2006						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					PROJECT: RIVER PLACE 2						
Laboratory Sample ID: 211921-1 Date Sampled: 01/20/2006 Time Sampled: 10:30 Sample Matrix: Soil					Laboratory Sample ID: 211921-1 Date Received: 01/23/2006 Time Received: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	5.6	B	5.3	28.0	1	mg/Kg	60709		01/25/06 1430	nnp

* In Description = Dry Wgt.

Page 3

Job Number: 211921

LABORATORY CHRONICLE

Date: 02/07/2006

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: RIVER PLACE 2

ATTN: Craig Puerta

Lab ID: 211921-1	Client ID: NYSS-SAND	Date Recvd: 01/23/2006	Sample Date: 01/20/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	60536			01/23/2006 1730	
5030A	5030 Soil(5g)Prep	1	60491				
7470/7471	7470 Digestion (Hg)	1	60611			01/26/2006 1200	
3050B	Acid Digestion: Solids (ICAP)	1	60502			01/24/2006 1108	
3541	Extraction Soxhlet (SVOC)	1	60503			01/23/2006 0000	
8151A	Herbicides	1					
7471A	Mercury (CVAA) Solids	1	60671	60611		01/26/2006 1452	1.0000
6010B	Metals Analysis (ICAP Trace)	1	60709	60502		01/25/2006 1430	
8081A	Organochlorine Pesticide Analysis	1					
8082	PCB Analysis	1					
8270C	Semivolatile Organics	1	60532	60503		01/24/2006 0037	1.00000
8260B	Volatile Organics	1	60492	60491		01/23/2006 1654	1.00000

Job Number.: 211921		SURROGATE RECOVERIES REPORT		Report Date.: 01/27/2006	
CUSTOMER: LANZAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN: Craig Puerta	
Method.....: Volatile Organics		Method Code....: 8260		Prep Batch....: 60491	
Batch(s).....: 60492		Test Matrix....: Solid		Equipment Code: MSN	

Lab ID	DT Sample ID	Date	12DCED	BRFLBE	DBRFIM	TOLDS
LCS-60491-2		01/23/2006	72	83	89	104
MB-60491-1		01/23/2006	73	79	81	100
211921- 1	NYSS-SAND	01/23/2006	78	86	87	105

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	49 - 134
BRFLBE	4-Bromofluorobenzene (surr)	36 - 133
DBRFIM	Dibromofluoromethane (surr)	60 - 130
TOLDS	Toluene-d8 (surr)	51 - 137

QUALITY CONTROL RESULTS						Report Date.: 01/27/2006			
Job Number.: 211921									
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES			PROJECT: RIVER PLACE 2			ATTN: Craig Puerta			
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time			
Test Method.....: B260B			Equipment Code....: MSN			Analyst....: lhd			
Method Description.: Volatile Organics			Batch.....: 60492						
LCS	Laboratory Control Sample	V06AMRK003	60491 -002		01/23/2006	1026			
Parameter/Test Description		Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	P
Vinyl chloride, Solid		ug/Kg	20.958		20.000		105	% 58-145	
Chloroethane, Solid		ug/Kg	20.306		20.000		102	% 56-159	
1,1-Dichloroethane, Solid		ug/Kg	18.729		20.000		94	% 61-133	
Carbon disulfide, Solid		ug/Kg	21.251		20.000		106	% 23-149	
Acetone, Solid		ug/Kg	16.549	J	20.000		83	% 10-331	
Methylene chloride, Solid		ug/Kg	20.695		20.000		103	% 55-126	
trans-1,2-Dichloroethane, Solid		ug/Kg	16.188		20.000		81	% 57-127	
1,1-Dichloroethane, Solid		ug/Kg	19.031		20.000		95	% 65-134	
2-Butanone (MEK), Solid		ug/Kg	29.361		20.000		147	% 13-242	
Chloroform, Solid		ug/Kg	17.876		20.000		89	% 68-128	
1,1,1-Trichloroethane, Solid		ug/Kg	16.543		20.000		83	% 63-130	
Carbon tetrachloride, Solid		ug/Kg	14.411		20.000		72	% 62-135	
Benzene, Solid		ug/Kg	20.403		20.000		102	% 66-126	
1,2-Dichloroethane, Solid		ug/Kg	13.562		20.000		68	% 62-138	
Trichloroethane, Solid		ug/Kg	16.003		20.000		80	% 62-117	
4-Methyl-2-pentanone (MIBK), Solid		ug/Kg	17.482		20.000		87	% 21-205	
Toluene, Solid		ug/Kg	18.344		20.000		92	% 72-113	
Tetrachloroethane, Solid		ug/Kg	14.612		20.000		73	% 66-122	
Dichromochloromethane, Solid		ug/Kg	11.788		20.000		59	% 68-117	
Chlorobenzene, Solid		ug/Kg	16.675		20.000		83	% 74-114	
Ethylbenzene, Solid		ug/Kg	18.883		20.000		94	% 74-117	
1,1,2,2-Tetrachloroethane, Solid		ug/Kg	15.497		20.000		77	% 59-124	
Xylenes (total), Solid		ug/Kg	55.993		60.000		93	% 73-116	

SURROGATE RECOVERIES REPORT									
Job Number.: 211921					Report Date.: 01/26/2006				
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES			PROJECT: RIVER PLACE 2			ATTN: Craig Puerta			
Method.....: Semivolatile Organics Batch(s).....: 60532					Method Code....: 8270 Test Matrix....: Solid		Prep Batch.....: 60503 Equipment Code: MSZ		
Lab ID	DT	Sample ID	Date	246TEP	2FLUOP	2FLUPH	NITRD5	PHEND5	TERD14
LCS-60503-2			01/23/2006	85	88	89	84	91	92
MB-60503-1			01/23/2006	74	80	84	78	85	89
211921- 1		NYSS-SAND	01/24/2006	65	71	69	66	72	88
Test	Test Description		Limits						
246TEP	2,4,6-Tribromophenol (surr)		24 - 150						
2FLUOP	2-Fluorobiphenyl (surr)		32 - 131						
2FLUPH	2-Fluorophenol (surr)		25 - 113						
NITRD5	Nitrobenzene-d5 (surr)		25 - 120						
PHEND5	Phenol-d5 (surr)		27 - 122						
TERD14	Terphenyl-d14 (surr)		35 - 140						

QUALITY CONTROL RESULTS					Report Date.: 01/26/2006	
Job Number.: 211921						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN: Craig Puerta		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time	
Test Method.....: 8270C		Equipment Code....: MSZ		Analyst....: kam		
Method Description.: Semivolatile Organics		Batch.....: 60532				
LCS	Laboratory Control Sample	E05JSPK005	60503 -002		01/23/2006 1550	
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value QC Calc. * Limits	
Aniline, Solid	ug/Kg	1395.40		2667.00	74.00 U 52 16-89	
Phenol, Solid	ug/Kg	2272.12		2667.00	97.00 U 85 46-110	
2-Methylphenol, Solid	ug/Kg	2430.73		2667.00	89.00 U 91 42-113	
4-Methylphenol, Solid	ug/Kg	5067.08		5333.00	179.00 U 95 45-117	
2-Chlorophenol, Solid	ug/Kg	2388.91		2667.00	86.00 U 90 46-110	
Nitrobenzene, Solid	ug/Kg	2323.30		2667.00	40.00 U 87 45-108	
Benzoic acid, Solid	ug/Kg	424.27	J	2667.00	90.00 U 16 0-36	
Isophorone, Solid	ug/Kg	2353.40		2667.00	60.00 U 88 48-109	
Naphthalene, Solid	ug/Kg	2295.98		2667.00	57.00 U 86 45-109	
2,4-Dichlorophenol, Solid	ug/Kg	2348.73		2667.00	109.00 U 88 45-113	
4-Chloroaniline, Solid	ug/Kg	1005.99		2667.00	107.00 U 38 18-78	
2,4,5-Trichlorophenol, Solid	ug/Kg	2174.73		2667.00	121.00 U 82 45-117	
2-Methylnaphthalene, Solid	ug/Kg	2360.30		2667.00	53.00 U 89 42-109	
2-Nitroaniline, Solid	ug/Kg	2358.63		2667.00	42.00 U 88 49-122	
4-Chloro-3-methylphenol, Solid	ug/Kg	2400.80		2667.00	113.00 U 90 46-120	
2,6-Dinitrotoluene, Solid	ug/Kg	2426.53		2667.00	61.00 U 91 51-126	
2-Nitrophenol, Solid	ug/Kg	2414.27		2667.00	116.00 U 91 37-111	
3-Nitroaniline, Solid	ug/Kg	1879.59		2667.00	69.00 U 70 37-107	
Dimethyl phthalate, Solid	ug/Kg	2383.48		2667.00	51.00 U 89 50-120	
2,4-Dinitrophenol, Solid	ug/Kg	813.92	J	2667.00	115.00 U 31 10-36	
Acenaphthylene, Solid	ug/Kg	2323.93		2667.00	41.00 U 87 49-117	
Acenaphthene, Solid	ug/Kg	2327.13		2667.00	55.00 U 87 47-116	
Dibenzofuran, Solid	ug/Kg	2380.53		2667.00	53.00 U 89 49-117	
4-Nitrophenol, Solid	ug/Kg	2262.49		2667.00	142.00 U 85 39-130	
Fluorene, Solid	ug/Kg	2300.52		2667.00	43.00 U 86 50-119	
Hexachlorobenzene, Solid	ug/Kg	2334.67		2667.00	49.00 U 88 51-122	
Diethyl phthalate, Solid	ug/Kg	2354.75		2667.00	49.00 U 88 49-126	
Pentachlorophenol, Solid	ug/Kg	1991.88		2667.00	288.00 U 75 10-116	
Phenanthrene, Solid	ug/Kg	2290.28		2667.00	39.00 U 86 50-125	
Anthracene, Solid	ug/Kg	2329.02		2667.00	55.00 U 87 48-128	
Di-n-butyl phthalate, Solid	ug/Kg	2360.55		2667.00	44.00 U 89 51-130	
Fluoranthene, Solid	ug/Kg	2464.11		2667.00	42.00 U 92 48-131	
Pyrene, Solid	ug/Kg	2382.84		2667.00	46.00 U 89 49-131	
Butyl benzyl phthalate, Solid	ug/Kg	2328.11		2667.00	43.00 U 87 51-132	
Benzo(a)anthracene, Solid	ug/Kg	2278.48		2667.00	45.00 U 85 49-129	
Chrysene, Solid	ug/Kg	2340.47		2667.00	42.00 U 88 51-129	
3,3-Dichlorobenzidine, Solid	ug/Kg	1504.27		2667.00	89.00 U 56 22-97	
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	2338.94		2667.00	44.00 U 88 51-134	
Di-n-octyl phthalate, Solid	ug/Kg	2520.28		2667.00	35.00 U 95 45-140	
Benzo(b)fluoranthene, Solid	ug/Kg	2314.74		2667.00	93.00 U 87 42-134	
Benzo(k)fluoranthene, Solid	ug/Kg	2401.50		2667.00	37.00 U 90 47-134	
Benzo(a)pyrene, Solid	ug/Kg	2293.87		2667.00	41.00 U 86 49-131	
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	1961.27		2667.00	34.00 U 74 42-127	
Dibenzo(a,h)anthracene, Solid	ug/Kg	2043.55		2667.00	37.00 U 77 42-127	
Benzo(ghi)perylene, Solid	ug/Kg	1896.37		2667.00	37.00 U 71 43-124	

QUALITY CONTROL RESULTS						
Job Number.: 211921			Report Date.: 01/31/2006			
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES			PROJECT: RIVER PLACE 2		ATTN: Craig Puerta	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B		Equipment Code.....: ICAP2		Analyst....: rnp	
Method Description.: Metals Analysis (ICAP Trace)		Batch.....: 60709			

LCS	Laboratory Control Sample	M05DLCS001	60502 -002		01/25/2006	1423
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	1303.38		1500.00		87	% 80.0-120.0	
Antimony, Solid	mg/Kg	283.82		250.00		114	% 80.0-120.0	
Arsenic, Solid	mg/Kg	281.40		250.00		113	% 80.0-120.0	
Barium, Solid	mg/Kg	83.70		74.99		112	% 80.0-120.0	
Beryllium, Solid	mg/Kg	28.51		25.00		114	% 80.0-120.0	
Cadmium, Solid	mg/Kg	84.51		74.99		113	% 80.0-120.0	
Calcium, Solid	mg/Kg	6670.29		7499.00		89	% 80.0-120.0	
Chromium, Solid	mg/Kg	83.93		74.99		112	% 80.0-120.0	
Cobalt, Solid	mg/Kg	84.50		74.99		113	% 80.0-120.0	
Copper, Solid	mg/Kg	82.03		74.99		109	% 80.0-120.0	
Iron, Solid	mg/Kg	5560.03		6249.00		89	% 80.0-120.0	
Lead, Solid	mg/Kg	280.26		250.00		112	% 80.0-120.0	
Magnesium, Solid	mg/Kg	3261.58		3749.00		87	% 80.0-120.0	
Manganese, Solid	mg/Kg	57.09		49.99		114	% 80.0-120.0	
Nickel, Solid	mg/Kg	84.27		74.99		112	% 80.0-120.0	
Potassium, Solid	mg/Kg	5079.05		4999.00		102	% 80.0-120.0	
Selenium, Solid	mg/Kg	142.93		125.00		114	% 80.0-120.0	
Silver, Solid	mg/Kg	71.46		74.99		95	% 80.0-120.0	
Sodium, Solid	mg/Kg	6076.99		7499.00		81	% 80.0-120.0	
Thallium, Solid	mg/Kg	277.27		250.00		111	% 80.0-120.0	
Vanadium, Solid	mg/Kg	84.27		74.99		112	% 80.0-120.0	
Zinc, Solid	mg/Kg	84.77		74.99		113	% 80.0-120.0	

QUALITY CONTROL RESULTS					
Job Number.: 211921			Report Date.: 01/31/2006		
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: 6010B		Equipment Code.....: ICAP2		Analyst....: nnp	
Method Description.: Metals Analysis (ICAP Trace)		Batch.....: 60709			

MB	Method Blank		60502 -001		01/25/2006 1417
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	20.0	U					
Antimony, Solid	mg/Kg	1.1	U					
Arsenic, Solid	mg/Kg	1.2	U					
Barium, Solid	mg/Kg	0.2	U					
Beryllium, Solid	mg/Kg	0.5	U					
Cadmium, Solid	mg/Kg	1.0	U					
Calcium, Solid	mg/Kg	11.6	U					
Chromium, Solid	mg/Kg	0.3	U					
Cobalt, Solid	mg/Kg	0.4	U					
Copper, Solid	mg/Kg	0.8	U					
Iron, Solid	mg/Kg	10.2	U					
Lead, Solid	mg/Kg	0.8	U					
Magnesium, Solid	mg/Kg	9.2	U					
Manganese, Solid	mg/Kg	0.6	U					
Nickel, Solid	mg/Kg	0.4	U					
Potassium, Solid	mg/Kg	40.0	U					
Selenium, Solid	mg/Kg	1.6	U					
Silver, Solid	mg/Kg	0.3	U					
Sodium, Solid	mg/Kg	20.0	U					
Thallium, Solid	mg/Kg	4.2	U					
Vanadium, Solid	mg/Kg	0.4	U					
Zinc, Solid	mg/Kg	3.8	U					

QUALITY CONTROL RESULTS		Report Date.: 01/31/2006	
Job Number.: 211921			
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2	
		ATTN:	
QC Type	Description	Reag. Code	Lab ID
			Dilution Factor
			Date
			Time

Test Method.....: 6010B	Equipment Code.....: ICAP2	Analyst....: nhp
Method Description.: Metals Analysis (ICAP Trace)	Batch.....: 60709	

MD	Method Duplicate		211923-2		01/25/2006 1835
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	14506.34			14025.47	3.4	20.0	
Antimony, Solid	mg/Kg	3.98	U		3.98	U 66.0845	1397.0700	
Arsenic, Solid	mg/Kg	24.53	B		22.65	B 8.0	20.0	
Barium, Solid	mg/Kg	942.01			738.93	24.2	20.0	*
Beryllium, Solid	mg/Kg	1.75	U		1.75	U 25.1950	612.7500	
Cadmium, Solid	mg/Kg	15.47			15.09	133.0355	1225.5000	
Calcium, Solid	mg/Kg	18880.99			20106.49	6.3	20.0	
Chromium, Solid	mg/Kg	194.87			188.27	3.4	20.0	
Cobalt, Solid	mg/Kg	12.11			12.17	0.5	20.0	
Copper, Solid	mg/Kg	504.69			502.04	0.5	20.0	
Iron, Solid	mg/Kg	33421.72			33502.60	0.2	20.0	
Lead, Solid	mg/Kg	826.23			833.76	0.9	20.0	
Magnesium, Solid	mg/Kg	14647.33			14571.74	0.5	20.0	
Manganese, Solid	mg/Kg	300.08			287.24	4.4	20.0	
Nickel, Solid	mg/Kg	96.43			104.07	7.6	20.0	
Potassium, Solid	mg/Kg	2298.78			2317.29	0.8	20.0	
Selenium, Solid	mg/Kg	5.59	U		5.59	U 317.3018	1960.8000	
Silver, Solid	mg/Kg	11.83			10.43	B 12.6	20.0	
Sodium, Solid	mg/Kg	7380.30			7490.72	1.5	20.0	
Thallium, Solid	mg/Kg	14.56	U		14.56	U 1029.8563	5110.3350	
Vanadium, Solid	mg/Kg	61.09			60.96	0.2	20.0	
Zinc, Solid	mg/Kg	1244.60			1254.41	0.8	20.0	

QUALITY CONTROL RESULTS						
Job Number.: 211921			Report Date.: 01/31/2006			
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES			PROJECT: RIVER PLACE 2		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B	Equipment Code.....: ICAP2	Analyst....: nmp
Method Description.: Metals Analysis (ICAP Trace)	Batch.....: 60709	

MS	Matrix Spike	MO4AWRK013	211923-2		01/25/2006	1841
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	12702.36		227.90	14025.47	-581	75-125	4
Antimony, Solid	mg/Kg	4.08	B	22.79	3.25	U 18	75-125	N
Arsenic, Solid	mg/Kg	32.98		9.12	22.65	B 113	75-125	
Barium, Solid	mg/Kg	767.98		227.90	738.93	13	75-125	N
Beryllium, Solid	mg/Kg	7.39		5.70	1.42	U 130	75-125	N
Cadmium, Solid	mg/Kg	29.14		11.40	15.09	123	75-125	
Calcium, Solid	mg/Kg	21607.16		1140.00	20106.49	132	75-125	4
Chromium, Solid	mg/Kg	212.81		22.79	188.27	108	75-125	4
Cobalt, Solid	mg/Kg	76.02		56.98	12.17	112	75-125	
Copper, Solid	mg/Kg	526.13		28.49	502.04	85	75-125	4
Iron, Solid	mg/Kg	32525.21		114.00	33502.60	-858	75-125	4
Lead, Solid	mg/Kg	832.97		4.56	833.76	-17	75-125	4
Magnesium, Solid	mg/Kg	15529.37		1140.00	14571.74	84	75-125	4
Manganese, Solid	mg/Kg	348.32		56.98	287.24	107	75-125	
Nickel, Solid	mg/Kg	154.54		56.98	104.07	89	75-125	
Potassium, Solid	mg/Kg	3317.68		1140.00	2317.29	88	75-125	
Selenium, Solid	mg/Kg	13.81	B	11.40	4.56	U 121	75-125	
Silver, Solid	mg/Kg	16.91		5.70	10.43	114	75-125	
Sodium, Solid	mg/Kg	9127.81		1140.00	7490.72	144	75-125	4
Thallium, Solid	mg/Kg	11.88	U	11.88	11.88	U 90	75-125	
Vanadium, Solid	mg/Kg	119.12		56.98	60.96	102	75-125	
Zinc, Solid	mg/Kg	1294.68		56.98	1254.41	71	75-125	4

QUALITY CONTROL RESULTS									
Job Number.: 211921				Report Date.: 01/31/2006					
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES				PROJECT: RIVER PLACE Z				ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time			
Test Method.....: 6010B				Equipment Code.....: ICAP2		Analyst....: nnp			
Method Description.: Metals Analysis (ICAP Trace)				Batch.....: 60709					
RDS	Post Digestion Spike ICAP	M03EWRK023	211923-2		01/25/2006	1847			
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony, Solid	mg/Kg	56.72		50.16	2.86	U 113		75-125	
Barium, Solid	mg/Kg	1794.49		1003.00	738.93	105		75-125	
Beryllium, Solid	mg/Kg	27.88		25.08	1.25	U 111		75-125	

QUALITY CONTROL RESULTS				Report Date.: 01/31/2006	
Job Number.: 211921					
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		PROJECT: RIVER PLACE 2		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: 6010B	Equipment Code....: ICAP2	Analyst....: nnp
Method Description.: Metals Analysis (ICAP Trace)	Batch.....: 60709	

SP	Serial Dilution	211921-1	01/25/2006 1436
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aluminum, Solid	mg/Kg	139.39	B		735.06			
Antimony, Solid	mg/Kg	1.60	U		1.60	U		
Arsenic, Solid	mg/Kg	1.71	U		1.71	U		
Barium, Solid	mg/Kg	0.29	B		1.49	B		
Beryllium, Solid	mg/Kg	0.70	U		0.70	U		
Cadmium, Solid	mg/Kg	1.40	U		1.40	U		
Calcium, Solid	mg/Kg	593.65			2996.88	1.0	10.0	
Chromium, Solid	mg/Kg	0.48	U		2.48	B		
Chromium, Solid	mg/Kg	0.59	U		0.59	U		
Cobalt, Solid	mg/Kg	1.12	U		1.12	U		
Copper, Solid	mg/Kg	529.64			2660.21	0.5	10.0	
Iron, Solid	mg/Kg	1.06	U		1.06	U		
Lead, Solid	mg/Kg	84.64			420.87			
Magnesium, Solid	mg/Kg	4.10			20.81			
Manganese, Solid	mg/Kg	0.91	B		2.42	B		
Nickel, Solid	mg/Kg	62.11	B		192.42	B		
Potassium, Solid	mg/Kg	2.24	U		2.24	U		
Selenium, Solid	mg/Kg	0.45	U		0.45	U		
Silver, Solid	mg/Kg	28.01	U		74.75	B		
Sodium, Solid	mg/Kg	5.84	U		5.84	U		
Thallium, Solid	mg/Kg	0.78	B		3.61	B		
Vanadium, Solid	mg/Kg	5.32	U		5.57	B		
Zinc, Solid	mg/Kg							

QUALITY CONTROL RESULTS			Report Date.: 01/31/2006
Job Number.: 211921			
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES	PROJECT: RIVER PLACE 2	ATTN: Craig Puerta	

Test Method.....: 7471A	Batch.....: 60671	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	60671-001	M06AWRK001	ug/L	483.44		500.00		97		80-120	01/26/2006	1414
ICB	60671-002		ug/L	0.1	U						01/26/2006	1415
CCV	60671-010	M06AWRK001	ug/L	483.42		500.00		97	%	80-120	01/26/2006	1427
CCB	60671-011		ug/L	0.1	U						01/26/2006	1429
CCV	60671-022	M06AWRK001	ug/L	482.23		500.00		96	%	80-120	01/26/2006	1441
CCB	60671-023		ug/L	0.1	U						01/26/2006	1442
CCV	60671-032	M06AWRK001	ug/L	491.08		500.00		98	%	80-120	01/26/2006	1453
CCB	60671-033		ug/L	0.1	U						01/26/2006	1455
CCV	60671-040	M06AWRK001	ug/L	495.05		500.00		99	%	80-120	01/26/2006	1507
CCB	60671-041		ug/L	0.1	U						01/26/2006	1509
CCV	60671-049	M06AWRK001	ug/L	484.66		500.00		97	%	80-120	01/26/2006	1521
CCB	60671-050		ug/L	0.1	U						01/26/2006	1522
MB	60534 -001		mg/Kg	0.015	U						01/26/2006	1524
LCS	60606 -002	M05CLCS003	mg/Kg	1.91		1.77		108	%	68.4-132.	01/26/2006	1525
MD	211949-1		mg/Kg	0.10			0.10	0.4		20.0	01/26/2006	1528
MS	211949-1	M04AWRK011	mg/Kg	0.21		0.12	0.10	90		75-125	01/26/2006	1529
CCV	60671-061	M06AWRK001	ug/L	481.80		500.00		96	%	80-120	01/26/2006	1535
CCB	60671-062		ug/L	0.1	U						01/26/2006	1536
CCV	60671-072	M06AWRK001	ug/L	478.10		500.00		96	%	80-120	01/26/2006	1549
CCB	60671-073		ug/L	0.1	U						01/26/2006	1551
CCV	60671-077	M06AWRK001	ug/L	494.39		500.00		99	%	80-120	01/26/2006	1557
CCB	60671-078		ug/L	0.1	U						01/26/2006	1558

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/30/2005

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CR1,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/30/2005

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.