SEVERN TRENT SERVICES

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March 26, 2001

STL LOT NUMBER: E1B150189
PO/CONTRACT: 05160-SEV002

Jay Knight
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Knight,

This report contains the additional analytical results for the three samples requested on February 15, 2001. These samples are associated with your BRC, former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures meet method-specified acceptance criteria Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the test results provided in this report meet all the requirements of NELAC certification number 01118CA. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

This report contains 000057 pages.

SEVERN TRENT SERVICES

CHANGE ORDER

Lab Analysis No.	EIB 150189
Client Name	Kennedy Jenks
Contact	Beth Breitenbaugh / Haley Oldid

- [ ] CANCEL Work
- [x] ADD Work
- [ ] Chain of Custody Discrepancy
- [ ] TAT Change
- [ ] Matrix
- [ ] Sample Problem
- [ ] Tests Not Defined
- [ ] Other

EXPLANATION/RESOLUTION	
BUILD 2-X-11-010901-1	Cr6 by 7196
BUILD 2-T-18-011501-1	SVOC, PAH
BUILD 2-T-20-010901-1	PCB

Initiated By: [signature]

Date/Time: 2/14/01

Received By: _____

Date/Time: _____

Distribution:

Original - Sample Control/Job Folder; Yellow - Lab; Pink - Initiator

ENS—3008

EXECUTIVE SUMMARY - Detection Highlights

E1B150189

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_2X_11_010901_1 01/09/01 08:00 001				
Aroclor 1260	370	33	ug/kg	SW846 8082
Anthracene	230 J	2000	ug/kg	SW846 8270C
Benzo(a)anthracene	480 J	2000	ug/kg	SW846 8270C
Benzo(b)fluoranthene	620 J	2000	ug/kg	SW846 8270C
Benzo(ghi)perylene	1200 J	2000	ug/kg	SW846 8270C
Benzo(a)pyrene	400 J	2000	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	240 J	2000	ug/kg	SW846 8270C
Chrysene	330 J	2000	ug/kg	SW846 8270C
Fluoranthene	770 J	2000	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	240 J	2000	ug/kg	SW846 8270C
Phenanthrene	600 J	2000	ug/kg	SW846 8270C
Pyrene	710 J	2000	ug/kg	SW846 8270C
BUILD_2_T_20_012001_1 01/09/01 10:20 002				
Aroclor 1260	1800	660	ug/kg	SW846 8082
Anthracene	1400	1000	ug/kg	SW846 8310
Benzo(a)anthracene	7100	1000	ug/kg	SW846 8310
Benzo(a)pyrene	3400 PG	1000	ug/kg	SW846 8310
Benzo(ghi)perylene	860 J	1000	ug/kg	SW846 8310
Dibenz(a,h)anthracene	1700 PG	1000	ug/kg	SW846 8310
Fluoranthene	15000 PG	1000	ug/kg	SW846 8310
Fluorene	1000	1000	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	390 J	1000	ug/kg	SW846 8310
Phenanthrene	5700	1000	ug/kg	SW846 8310
Pyrene	8500 PG	1000	ug/kg	SW846 8310
Anthracene	580 J	2000	ug/kg	SW846 8270C
Benzo(a)anthracene	4600	2000	ug/kg	SW846 8270C
Benzo(b)fluoranthene	3200	2000	ug/kg	SW846 8270C
Benzo(a)pyrene	3100	2000	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	3400	2000	ug/kg	SW846 8270C
Chrysene	3900	2000	ug/kg	SW846 8270C
Di-n-butyl phthalate	3300	2000	ug/kg	SW846 8270C
Fluoranthene	4400	2000	ug/kg	SW846 8270C
Fluorene	1200 J	2000	ug/kg	SW846 8270C
2-Methylnaphthalene	790 J	2000	ug/kg	SW846 8270C
Naphthalene	170 J	2000	ug/kg	SW846 8270C
Phenanthrene	3800	2000	ug/kg	SW846 8270C
Pyrene	21000	2000	ug/kg	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

E1B150189

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_2_T_18_011501_1 01/15/01 12:30	003			
Aroclor 1260	340	330	ug/kg	SW846 8082
Anthracene	1.2 J	20	ug/kg	SW846 8310
Phenanthrene	12 J	20	ug/kg	SW846 8310
Benzo(b)fluoranthene	160 J	330	ug/kg	SW846 8270C
Benzo(a)pyrene	80 J	330	ug/kg	SW846 8270C
Fluoranthene	190 J	330	ug/kg	SW846 8270C
Phenanthrene	160 J	330	ug/kg	SW846 8270C
Pyrene	150 J	330	ug/kg	SW846 8270C

METHODS SUMMARY

E1B150189

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Hexavalent Chromium	SW846 7196A	SW846 7196A/DI
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310	SW846 3550
PCBs by SW-846 8082	SW846 8082	SW846 3550
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E1B150189

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
DV6NE	001	BUILD_2X_11_010901_1	01/09/01	08:00
DV6NN	002	BUILD_2_T_20_012001_1	01/09/01	10:20
DV6NR	003	BUILD_2_T_18_011501_1	01/15/01	12:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2X_11_010901_1

GC Semivolatiles

Lot-Sample #...:	E1B150189-001	Work Order #...:	DV6NE1AD	Matrix.....:	SOLID
Date Sampled...:	01/09/01 08:00	Date Received..:	01/15/01 14:40	MS Run #.....:	1047226
Prep Date.....:	02/16/01	Analysis Date..:	02/19/01		
Prep Batch #...:	1047405	Analysis Time..:	18:45		
Dilution Factor:	1				
Analyst ID.....:	018568	Instrument ID..:	G8B		
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	33	ug/kg	10
Aroclor 1221	ND	33	ug/kg	10
Aroclor 1232	ND	33	ug/kg	10
Aroclor 1242	ND	33	ug/kg	10
Aroclor 1248	ND	33	ug/kg	10
Aroclor 1254	ND	33	ug/kg	10
Aroclor 1260	**370**	**33**	**ug/kg**	**10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	110	(60 - 140)
Tetrachloro-m-xylene	46 *	(60 - 140)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Very weathered AR1260.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2X_11_010901_1

GC/MS Semivolatiles

Lot-Sample #...:	E1B150189-001	**Work Order #...:**	DV6NE1AC	**Matrix.....:**	SOLID
Date Sampled...:	01/09/01 08:00	**Date Received..:**	01/15/01 14:40	**MS Run #.....:**	1051273
Prep Date.....:	02/19/01	**Analysis Date..:**	02/21/01		
Prep Batch #...:	1047425	**Analysis Time..:**	17:19		
Dilution Factor:	1				
Analyst ID.....:	010060	**Instrument ID..:**	MSE		
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	2000	ug/kg	100
Aniline	ND	4000	ug/kg	100
Acenaphthylene	ND	2000	ug/kg	100
Benzidine	ND	4000	ug/kg	100
Anthracene	**230 J**	**2000**	**ug/kg**	**80**
Benzo(a)anthracene	**480 J**	**2000**	**ug/kg**	**100**
Benzo(b)fluoranthene	**620 J**	**2000**	**ug/kg**	**100**
Benzo(k)fluoranthene	ND	2000	ug/kg	200
Benzo(ghi)perylene	**1200 J**	**2000**	**ug/kg**	**150**
Benzo(a)pyrene	**400 J**	**2000**	**ug/kg**	**70**
Benzoic acid	ND	9600	ug/kg	500
Benzyl alcohol	ND	2000	ug/kg	100
bis(2-Chloroethoxy) methane	ND	2000	ug/kg	100
bis(2-Chloroethyl)-ether	ND	2000	ug/kg	100
bis(2-Chloroisopropyl) ether	ND	2000	ug/kg	110
bis(2-Ethylhexyl) phthalate	**240 J**	**2000**	**ug/kg**	**200**
4-Bromophenyl phenyl ether	ND	2000	ug/kg	80
Butyl benzyl phthalate	ND	2000	ug/kg	100
Carbazole	ND	2000	ug/kg	80
4-Chloroaniline	ND	2000	ug/kg	150
4-Chloro-3-methylphenol	ND	2000	ug/kg	100
2-Chloronaphthalene	ND	2000	ug/kg	100
2-Chlorophenol	ND	2000	ug/kg	150
4-Chlorophenyl phenyl ether	ND	2000	ug/kg	90
Chrysene	**330 J**	**2000**	**ug/kg**	**100**
Dibenz(a,h)anthracene	ND	2000	ug/kg	100
Dibenzofuran	ND	2000	ug/kg	90
Di-n-butyl phthalate	ND	2000	ug/kg	100
1,2-Dichlorobenzene	ND	2000	ug/kg	130
1,3-Dichlorobenzene	ND	2000	ug/kg	130
1,4-Dichlorobenzene	ND	2000	ug/kg	130

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2X_11_010901_1

GC/MS Semivolatiles

Lot-Sample #...: E1B150189-001 Work Order #...: DV6NE1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3,3'-Dichlorobenzidine	ND	9600	ug/kg	400
2,4-Dichlorophenol	ND	2000	ug/kg	90
Diethyl phthalate	ND	2000	ug/kg	100
2,4-Dimethylphenol	ND	2000	ug/kg	100
Dimethyl phthalate	ND	2000	ug/kg	80
4,6-Dinitro-2-methylphenol	ND	9600	ug/kg	250
2,4-Dinitrophenol	ND	9600	ug/kg	500
2,4-Dinitrotoluene	ND	2000	ug/kg	100
2,6-Dinitrotoluene	ND	2000	ug/kg	90
Di-n-octyl phthalate	ND	2000	ug/kg	110
Fluoranthene	**770 J**	**2000**	**ug/kg**	**70**
Fluorene	ND	2000	ug/kg	90
Hexachlorobenzene	ND	2000	ug/kg	80
Hexachlorobutadiene	ND	2000	ug/kg	100
Hexachlorocyclopentadiene	ND	9600	ug/kg	320
Hexachloroethane	ND	2000	ug/kg	120
Indeno(1,2,3-cd)pyrene	**240 J**	**2000**	**ug/kg**	**100**
Isophorone	ND	2000	ug/kg	100
2-Methylnaphthalene	ND	2000	ug/kg	90
2-Methylphenol	ND	2000	ug/kg	80
3-Methylphenol & 4-Methylphenol	ND	2000	ug/kg	100
Naphthalene	ND	2000	ug/kg	90
2-Nitroaniline	ND	9600	ug/kg	300
3-Nitroaniline	ND	9600	ug/kg	350
4-Nitroaniline	ND	9600	ug/kg	200
Nitrobenzene	ND	2000	ug/kg	150
2-Nitrophenol	ND	2000	ug/kg	100
4-Nitrophenol	ND	9600	ug/kg	300
N-Nitrosodiphenylamine	ND	2000	ug/kg	80
N-Nitrosodi-n-propylamine	ND	2000	ug/kg	90
Pentachlorophenol	ND	9600	ug/kg	250
Phenanthrene	**600 J**	**2000**	**ug/kg**	**80**
Phenol	ND	2000	ug/kg	100
Pyrene	**710 J**	**2000**	**ug/kg**	**120**
1,2,4-Trichlorobenzene	ND	2000	ug/kg	100
2,4,5-Trichlorophenol	ND	2000	ug/kg	100
2,4,6-Trichlorophenol	ND	2000	ug/kg	70

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2X_11_010901_1

GC/MS Semivolatiles

Lot-Sample #...: E1B150189-001 **Work Order #...:** DV6NE1AC **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	60	(40 - 130)
2-Fluorophenol	50	(50 - 115)
2,4,6-Tribromophenol	64	(30 - 115)
Nitrobenzene-d5	51	(45 - 115)
Phenol-d5	62	(50 - 120)
Terphenyl-d14	63	(50 - 140)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2X_11_010901_1

HPLC

Lot-Sample #...:	E1B150189-001	Work Order #...:	DV6NE1AE	Matrix.....:	SOLID
Date Sampled...:	01/09/01 08:00	Date Received..:	01/15/01 14:40	MS Run #.....:	
Prep Date.....:	02/16/01	Analysis Date..:	03/16/01		
Prep Batch #...:	1047372	Analysis Time..:	16:06		
Dilution Factor:	50				
Analyst ID.....:	001754	Instrument ID..:	L2		
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	5000	ug/kg	3200
Acenaphthylene	ND	5000	ug/kg	2300
Anthracene	ND	1000	ug/kg	55
Benzo(a)anthracene	ND	1000	ug/kg	85
Benzo(a)pyrene	ND	1000	ug/kg	160
Benzo(b)fluoranthene	ND	1000	ug/kg	120
Benzo(ghi)perylene	ND	1000	ug/kg	160
Benzo(k)fluoranthene	ND	1000	ug/kg	55
Chrysene	ND	1000	ug/kg	700
Dibenz(a,h)anthracene	ND	1000	ug/kg	460
Fluoranthene	ND	1000	ug/kg	240
Fluorene	ND	1000	ug/kg	340
Indeno(1,2,3-cd)pyrene	ND	1000	ug/kg	160
Naphthalene	ND	5000	ug/kg	1200
Phenanthrene	ND	1000	ug/kg	130
Pyrene	ND	1000	ug/kg	550

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	0.0 DIL,*	(41 - 115)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_20_012001_1

GC Semivolatiles

Lot-Sample #...:	E1B150189-002	**Work Order #...:**	DV6NN1AD	**Matrix.....:**	SOLID
Date Sampled...:	01/09/01 10:20	**Date Received..:**	01/15/01 14:40	**MS Run #.....:**	1047226
Prep Date.....:	02/16/01	**Analysis Date..:**	02/20/01		
Prep Batch #...:	1047405	**Analysis Time..:**	12:10		
Dilution Factor:	20				
Analyst ID.....:	018568	**Instrument ID..:**	G8B		
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	660	ug/kg	200
Aroclor 1221	ND	660	ug/kg	200
Aroclor 1232	ND	660	ug/kg	200
Aroclor 1242	ND	660	ug/kg	200
Aroclor 1248	ND	660	ug/kg	200
Aroclor 1254	ND	660	ug/kg	200
Aroclor 1260	**1800**	**660**	**ug/kg**	**200**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD,*	(60 - 140)
Tetrachloro-m-xylene	0.0 SRD,*	(60 - 140)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

* Surrogate recovery is outside stated control limits.

Very weathered AR1260.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_20_012001_1

GC/MS Semivolatiles

Lot-Sample #...:	E1B150189-002	**Work Order #...:**	DV6NN1AC	**Matrix.....:**	SOLID
Date Sampled...:	01/09/01 10:20	**Date Received..:**	01/15/01 14:40	**MS Run #.....:**	1051273
Prep Date.....:	02/19/01	**Analysis Date..:**	02/21/01		
Prep Batch #...:	1047425	**Analysis Time..:**	17:53		
Dilution Factor:	1				
Analyst ID.....:	010060	**Instrument ID..:**	MSE		
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	2000	ug/kg	100
Aniline	ND	4000	ug/kg	100
Acenaphthylene	ND	2000	ug/kg	100
Benzidine	ND	4000	ug/kg	100
Anthracene	**580 J**	**2000**	**ug/kg**	**80**
Benzo(a)anthracene	**4600**	**2000**	**ug/kg**	**100**
Benzo(b)fluoranthene	**3200**	**2000**	**ug/kg**	**100**
Benzo(k)fluoranthene	ND	2000	ug/kg	200
Benzo(ghi)perylene	ND	2000	ug/kg	150
Benzo(a)pyrene	**3100**	**2000**	**ug/kg**	**70**
Benzoic acid	ND	9600	ug/kg	500
Benzyl alcohol	ND	2000	ug/kg	100
bis(2-Chloroethoxy) methane	ND	2000	ug/kg	100
bis(2-Chloroethyl)-ether	ND	2000	ug/kg	100
bis(2-Chloroisopropyl) ether	ND	2000	ug/kg	110
bis(2-Ethylhexyl) phthalate	**3400**	**2000**	**ug/kg**	**200**
4-Bromophenyl phenyl ether	ND	2000	ug/kg	80
Butyl benzyl phthalate	ND	2000	ug/kg	100
Carbazole	ND	2000	ug/kg	80
4-Chloroaniline	ND	2000	ug/kg	150
4-Chloro-3-methylphenol	ND	2000	ug/kg	100
2-Chloronaphthalene	ND	2000	ug/kg	100
2-Chlorophenol	ND	2000	ug/kg	150
4-Chlorophenyl phenyl ether	ND	2000	ug/kg	90
Chrysene	**3900**	**2000**	**ug/kg**	**100**
Dibenz(a,h)anthracene	ND	2000	ug/kg	100
Dibenzofuran	ND	2000	ug/kg	90
Di-n-butyl phthalate	**3300**	**2000**	**ug/kg**	**100**
1,2-Dichlorobenzene	ND	2000	ug/kg	130
1,3-Dichlorobenzene	ND	2000	ug/kg	130
1,4-Dichlorobenzene	ND	2000	ug/kg	130

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_20_012001_1

GC/MS Semivolatiles

Lot-Sample #...: E1B150189-002 **Work Order #...:** DV6NN1AC **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3,3'-Dichlorobenzidine	ND	9600	ug/kg	400
2,4-Dichlorophenol	ND	2000	ug/kg	90
Diethyl phthalate	ND	2000	ug/kg	100
2,4-Dimethylphenol	ND	2000	ug/kg	100
Dimethyl phthalate	ND	2000	ug/kg	80
4,6-Dinitro-2-methylphenol	ND	9600	ug/kg	250
2,4-Dinitrophenol	ND	9600	ug/kg	500
2,4-Dinitrotoluene	ND	2000	ug/kg	100
2,6-Dinitrotoluene	ND	2000	ug/kg	90
Di-n-octyl phthalate	ND	2000	ug/kg	110
Fluoranthene	**4400**	**2000**	**ug/kg**	**70**
Fluorene	**1200 J**	**2000**	**ug/kg**	**90**
Hexachlorobenzene	ND	2000	ug/kg	80
Hexachlorobutadiene	ND	2000	ug/kg	100
Hexachlorocyclopentadiene	ND	9600	ug/kg	320
Hexachloroethane	ND	2000	ug/kg	120
Indeno(1,2,3-cd)pyrene	ND	2000	ug/kg	100
Isophorone	ND	2000	ug/kg	100
2-Methylnaphthalene	**790 J**	**2000**	**ug/kg**	**90**
2-Methylphenol	ND	2000	ug/kg	80
3-Methylphenol & 4-Methylphenol	ND	2000	ug/kg	100
Naphthalene	**170 J**	**2000**	**ug/kg**	**90**
2-Nitroaniline	ND	9600	ug/kg	300
3-Nitroaniline	ND	9600	ug/kg	350
4-Nitroaniline	ND	9600	ug/kg	200
Nitrobenzene	ND	2000	ug/kg	150
2-Nitrophenol	ND	2000	ug/kg	100
4-Nitrophenol	ND	9600	ug/kg	300
N-Nitrosodiphenylamine	ND	2000	ug/kg	80
N-Nitrosodi-n-propylamine	ND	2000	ug/kg	90
Pentachlorophenol	ND	9600	ug/kg	250
Phenanthrene	**3800**	**2000**	**ug/kg**	**80**
Phenol	ND	2000	ug/kg	100
Pyrene	**21000**	**2000**	**ug/kg**	**120**
1,2,4-Trichlorobenzene	ND	2000	ug/kg	100
2,4,5-Trichlorophenol	ND	2000	ug/kg	100
2,4,6-Trichlorophenol	ND	2000	ug/kg	70

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_20_012001_1

GC/MS Semivolatiles

Lot-Sample #...: E1B150189-002 Work Order #...: DV6NN1AC Matrix.....: SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	56	(40 - 130)
2-Fluorophenol	23 I,*	(50 - 115)
2,4,6-Tribromophenol	46	(30 - 115)
Nitrobenzene-d5	31 I,*	(45 - 115)
Phenol-d5	34 I,*	(50 - 120)
Terphenyl-d14	86	(50 - 140)

NOTE(S):

I Matrix interference.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_20_012001_1

HPLC

Lot-Sample #...:	E1B150189-002	Work Order #...:	DV6NN1AE	Matrix.....:	SOLID
Date Sampled...:	01/09/01 10:20	Date Received..:	01/15/01 14:40	MS Run #.....:	
Prep Date.....:	02/16/01	Analysis Date..:	03/16/01		
Prep Batch #...:	1047372	Analysis Time..:	16:30		
Dilution Factor:	50				
Analyst ID.....:	001754	Instrument ID..:	L2		
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	5000	ug/kg	3200
Acenaphthylene	ND	5000	ug/kg	2300
Anthracene	**1400**	**1000**	**ug/kg**	**55**
Benzo(a)anthracene	**7100**	**1000**	**ug/kg**	**85**
Benzo(a)pyrene	**3400 PG**	**1000**	**ug/kg**	**160**
Benzo(b)fluoranthene	ND	1000	ug/kg	120
Benzo(ghi)perylene	**860 J**	**1000**	**ug/kg**	**160**
Benzo(k)fluoranthene	ND	1000	ug/kg	55
Chrysene	ND	1000	ug/kg	700
Dibenz(a,h)anthracene	**1700 PG**	**1000**	**ug/kg**	**460**
Fluoranthene	**15000 PG**	**1000**	**ug/kg**	**240**
Fluorene	**1000**	**1000**	**ug/kg**	**340**
Indeno(1,2,3-cd)pyrene	**390 J**	**1000**	**ug/kg**	**160**
Naphthalene	ND	5000	ug/kg	1200
Phenanthrene	**5700**	**1000**	**ug/kg**	**130**
Pyrene	**8500 PG**	**1000**	**ug/kg**	**550**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	238 DIL,*	(41 - 115)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

PG The percent difference between the original and confirmation analyses is greater than 40%.

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_18_011501_1

GC Semivolatiles

Lot-Sample #...:	E1B150189-003	Work Order #...:	DV6NR1AD	Matrix.....:	SOLID
Date Sampled...:	01/15/01 12:30	Date Received..:	01/15/01 14:40	MS Run #.....:	1047226
Prep Date.....:	02/16/01	Analysis Date..:	02/19/01		
Prep Batch #...:	1047405	Analysis Time..:	21:24		
Dilution Factor:	10				
Analyst ID.....:	018568	Instrument ID..:	G8B		
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	330	ug/kg	100
Aroclor 1221	ND	330	ug/kg	100
Aroclor 1232	ND	330	ug/kg	100
Aroclor 1242	ND	330	ug/kg	100
Aroclor 1248	ND	330	ug/kg	100
Aroclor 1254	ND	330	ug/kg	100
Aroclor 1260	**340**	**330**	**ug/kg**	**100**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD,*	(60 - 140)
Tetrachloro-m-xylene	0.0 SRD,*	(60 - 140)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

* Surrogate recovery is outside stated control limits.

Very weathered AR1260.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_18_011501_1

GC/MS Semivolatiles

Lot-Sample #...:	E1B150189-003	**Work Order #...:**	DV6NR2AC	**Matrix.....:**	SOLID
Date Sampled...:	01/15/01 12:30	**Date Received..:**	01/15/01 14:40	**MS Run #.....:**	1051273
Prep Date.....:	02/20/01	**Analysis Date..:**	02/21/01		
Prep Batch #...:	1051510	**Analysis Time..:**	16:46		
Dilution Factor:	1				
Analyst ID.....:	010060	**Instrument ID..:**	MSE		
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	100
Aniline	ND	660	ug/kg	100
Acenaphthylene	ND	330	ug/kg	100
Benzidine	ND	660	ug/kg	100
Anthracene	ND	330	ug/kg	80
Benzo(a)anthracene	ND	330	ug/kg	100
Benzo(b)fluoranthene	**160 J**	**330**	**ug/kg**	**100**
Benzo(k)fluoranthene	ND	330	ug/kg	200
Benzo(ghi)perylene	ND	330	ug/kg	150
Benzo(a)pyrene	**80 J**	**330**	**ug/kg**	**70**
Benzoic acid	ND	1600	ug/kg	500
Benzyl alcohol	ND	330	ug/kg	100
bis(2-Chloroethoxy) methane	ND	330	ug/kg	100
bis(2-Chloroethyl)-ether	ND	330	ug/kg	100
bis(2-Chloroisopropyl) ether	ND	330	ug/kg	110
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	200
4-Bromophenyl phenyl ether	ND	330	ug/kg	80
Butyl benzyl phthalate	ND	330	ug/kg	100
Carbazole	ND	330	ug/kg	80
4-Chloroaniline	ND	330	ug/kg	150
4-Chloro-3-methylphenol	ND	330	ug/kg	100
2-Chloronaphthalene	ND	330	ug/kg	100
2-Chlorophenol	ND	330	ug/kg	150
4-Chlorophenyl phenyl ether	ND	330	ug/kg	90
Chrysene	ND	330	ug/kg	100
Dibenz(a,h)anthracene	ND	330	ug/kg	100
Dibenzofuran	ND	330	ug/kg	90
Di-n-butyl phthalate	ND	330	ug/kg	100
1,2-Dichlorobenzene	ND	330	ug/kg	130
1,3-Dichlorobenzene	ND	330	ug/kg	130
1,4-Dichlorobenzene	ND	330	ug/kg	130

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_18_011501_1

GC/MS Semivolatiles

Lot-Sample #...: E1B150189-003 **Work Order #...:** DV6NR2AC **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3,3'-Dichlorobenzidine	ND	1600	ug/kg	400
2,4-Dichlorophenol	ND	330	ug/kg	90
Diethyl phthalate	ND	330	ug/kg	100
2,4-Dimethylphenol	ND	330	ug/kg	100
Dimethyl phthalate	ND	330	ug/kg	80
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	250
2,4-Dinitrophenol	ND	1600	ug/kg	500
2,4-Dinitrotoluene	ND	330	ug/kg	100
2,6-Dinitrotoluene	ND	330	ug/kg	90
Di-n-octyl phthalate	ND	330	ug/kg	110
Fluoranthene	**190 J**	**330**	**ug/kg**	**70**
Fluorene	ND	330	ug/kg	90
Hexachlorobenzene	ND	330	ug/kg	80
Hexachlorobutadiene	ND	330	ug/kg	100
Hexachlorocyclopentadiene	ND	1600	ug/kg	320
Hexachloroethane	ND	330	ug/kg	120
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	100
Isophorone	ND	330	ug/kg	100
2-Methylnaphthalene	ND	330	ug/kg	90
2-Methylphenol	ND	330	ug/kg	80
3-Methylphenol & 4-Methylphenol	ND	330	ug/kg	100
Naphthalene	ND	330	ug/kg	90
2-Nitroaniline	ND	1600	ug/kg	300
3-Nitroaniline	ND	1600	ug/kg	350
4-Nitroaniline	ND	1600	ug/kg	200
Nitrobenzene	ND	330	ug/kg	150
2-Nitrophenol	ND	330	ug/kg	100
4-Nitrophenol	ND	1600	ug/kg	300
N-Nitrosodiphenylamine	ND	330	ug/kg	80
N-Nitrosodi-n-propylamine	ND	330	ug/kg	90
Pentachlorophenol	ND	1600	ug/kg	250
Phenanthrene	**160 J**	**330**	**ug/kg**	**80**
Phenol	ND	330	ug/kg	100
Pyrene	**150 J**	**330**	**ug/kg**	**120**
1,2,4-Trichlorobenzene	ND	330	ug/kg	100
2,4,5-Trichlorophenol	ND	330	ug/kg	100
2,4,6-Trichlorophenol	ND	330	ug/kg	70

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_18_011501_1

GC/MS Semivolatiles

Lot-Sample #...: E1B150189-003 **Work Order #...:** DV6NR2AC **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	72	(40 - 130)
2-Fluorophenol	62	(50 - 115)
2,4,6-Tribromophenol	75	(30 - 115)
Nitrobenzene-d5	60	(45 - 115)
Phenol-d5	73	(50 - 120)
Terphenyl-d14	82	(50 - 140)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_18_011501_1

HPLC

Lot-Sample #...:	E1B150189-003	**Work Order #...:**	DV6NR1AE	**Matrix.....:**	SOLID
Date Sampled...:	01/15/01 12:30	**Date Received..:**	01/15/01 14:40	**MS Run #.....:**	
Prep Date.....:	02/16/01	**Analysis Date..:**	03/16/01		
Prep Batch #...:	1047372	**Analysis Time..:**	16:53		
Dilution Factor:	1				
Analyst ID.....:	001754	**Instrument ID..:**	L2		
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	100	ug/kg	63
Acenaphthylene	ND	100	ug/kg	46
Anthracene	**1.2 J**	**20**	**ug/kg**	**1.1**
Benzo(a)anthracene	ND	20	ug/kg	1.7
Benzo(a)pyrene	ND	20	ug/kg	3.1
Benzo(b)fluoranthene	ND	20	ug/kg	2.4
Benzo(ghi)perylene	ND	20	ug/kg	3.1
Benzo(k)fluoranthene	ND	20	ug/kg	1.1
Chrysene	ND	20	ug/kg	14
Dibenz(a,h)anthracene	ND	20	ug/kg	9.2
Fluoranthene	ND	20	ug/kg	4.8
Fluorene	ND	20	ug/kg	6.7
Indeno(1,2,3-cd)pyrene	ND	20	ug/kg	3.1
Naphthalene	ND	100	ug/kg	23
Phenanthrene	**12 J**	**20**	**ug/kg**	**2.6**
Pyrene	ND	20	ug/kg	11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	20 *	(41 - 115)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

BUILD_2X_11_010901_1

GC/MS Semivolatiles

Lot-Sample #: E1B150189-001 **Work Order #:** DV6NE1AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Pyridine		ND	M		ug/kg
2-Naphthylamine		ND	M		ug/kg
Pentachloroethane		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

BUILD_2_T_20_012001_1

GC/MS Semivolatiles

Lot-Sample #: E1B150189-002 **Work Order #:** DV6NN1AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Pyridine		ND	M		ug/kg
2-Naphthylamine		ND	M		ug/kg
Pentachloroethane		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

BUILD_2_T_18_011501_1

GC/MS Semivolatiles

Lot-Sample #: E1B150189-003 **Work Order #:** DV6NR2AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Pyridine		ND	M		ug/kg
2-Naphthylamine		ND	M		ug/kg
Pentachloroethane		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2X_11_010901_1

General Chemistry

Lot-Sample #...: E1B150189-001 **Work Order #...:** DV6NE **Matrix.....:** SOLID
Date Sampled...: 01/09/01 08:00 **Date Received..:** 01/15/01 14:40

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.10	mg/kg	SW846 7196A	02/16/01	1047517

Dilution Factor: 1 Analysis Time..: 20:48 Analyst ID.....: 000135
Instrument ID..: W06 MS Run #.....: 1048019 MDL.....: 0.050

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_20_012001_1

General Chemistry

Lot-Sample #...: E1B150189-002 **Work Order #...:** DV6NN **Matrix.....:** SOLID
Date Sampled...: 01/09/01 10:20 **Date Received..:** 01/15/01 14:40

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.10	mg/kg	SW846 7196A	02/16/01	1047517

Dilution Factor: 1 Analysis Time..: 20:54 Analyst ID.....: 0001359
Instrument ID..: W06 MS Run #.....: 1048019 MDL.....: 0.050

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_T_18_011501_1

General Chemistry

Lot-Sample #...: E1B150189-003 **Work Order #...:** DV6NR **Matrix.....:** SOLID
Date Sampled...: 01/15/01 12:30 **Date Received..:** 01/15/01 14:40

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.10	mg/kg	SW846 7196A	02/16/01	1047517

Dilution Factor: 1 Analysis Time..: 20:56 Analyst ID.....: 0001359
Instrument ID..: W06 MS Run #.....: 1048019 MDL.....: 0.050

QC DATA ASSOCIATION SUMMARY

E1B150189

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 7196A		1047517	1048019
	SOLID	SW846 8082		1047405	1047226
	SOLID	SW846 8270C		1047425	1051273
	SOLID	SW846 8310		1047372	
002	SOLID	SW846 7196A		1047517	1048019
	SOLID	SW846 8082		1047405	1047226
	SOLID	SW846 8270C		1047425	1051273
	SOLID	SW846 8310		1047372	
003	SOLID	SW846 7196A		1047517	1048019
	SOLID	SW846 8082		1047405	1047226
	SOLID	SW846 8270C		1051510	1051273
	SOLID	SW846 8310		1047372	

BOE-C6-0164123

KENNEDY/JENKS CONSULTANTS

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: E1B160000-425 B **Work Order #:** DWD0P1AA **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Pyridine		ND	M		ug/kg
2-Naphthylamine		ND	M		ug/kg
Pentachloroethane		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: E1B200000-510 B **Work Order #:** DWED21AA **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Pyridine		ND	M		ug/kg
Pentachloroethane		ND	M		ug/kg
2-Naphthylamine		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

HPLC

Client Lot #...: E1B150189
MB Lot-Sample #: G1B160000-372

Work Order #...: DV8491AA

Matrix.....: SOLID

Prep Date.....: 02/16/01
Prep Batch #...: 1047372

Analysis Time..: 14:57
Instrument ID..: L2

Analysis Date..: 03/16/01
Dilution Factor: 1

Analyst ID.....: 001754

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	100	ug/kg	SW846 8310
Acenaphthylene	ND	100	ug/kg	SW846 8310
Anthracene	ND	20	ug/kg	SW846 8310
Benzo(a)anthracene	ND	20	ug/kg	SW846 8310
Benzo(a)pyrene	ND	20	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	20	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	20	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	20	ug/kg	SW846 8310
Chrysene	ND	20	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	20	ug/kg	SW846 8310
Fluoranthene	ND	20	ug/kg	SW846 8310
Fluorene	ND	20	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	20	ug/kg	SW846 8310
Naphthalene	ND	100	ug/kg	SW846 8310
Phenanthrene	ND	20	ug/kg	SW846 8310
Pyrene	ND	20	ug/kg	SW846 8310

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	74	(41 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1B150189
MB Lot-Sample #: E1B160000-405
Analysis Date..: 02/19/01
Dilution Factor: 1

Work Order #...: DV9GA1AA
Prep Date.....: 02/16/01
Prep Batch #...: 1047405
Analyst ID.....: 018568

Matrix.....: SOLID
Analysis Time..: 09:29
Instrument ID..: G8B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	87	(60 - 140)
Tetrachloro-m-xylene	64	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189
MB Lot-Sample #: E1B160000-425
Analysis Date..: 02/21/01
Dilution Factor: 1

Work Order #...: DWD0P1AA
Prep Date.....: 02/19/01
Prep Batch #...: 1047425
Analyst ID.....: 010060

Matrix.....: SOLID
Analysis Time..: 13:26
Instrument ID..: MSE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	2000	ug/kg	SW846 8270C
Aniline	ND	4000	ug/kg	SW846 8270C
Acenaphthylene	ND	2000	ug/kg	SW846 8270C
Benzidine	ND	4000	ug/kg	SW846 8270C
Anthracene	ND	2000	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	2000	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	2000	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	2000	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	2000	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	2000	ug/kg	SW846 8270C
Benzoic acid	ND	9600	ug/kg	SW846 8270C
Benzyl alcohol	ND	2000	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	2000	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	2000	ug/kg	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	2000	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	2000	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	2000	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	2000	ug/kg	SW846 8270C
Carbazole	ND	2000	ug/kg	SW846 8270C
4-Chloroaniline	ND	2000	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	2000	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	2000	ug/kg	SW846 8270C
2-Chlorophenol	ND	2000	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	2000	ug/kg	SW846 8270C
Chrysene	ND	2000	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	2000	ug/kg	SW846 8270C
Dibenzofuran	ND	2000	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	2000	ug/kg	SW846 8270C
1,2-Dichlorobenzene	ND	2000	ug/kg	SW846 8270C
1,3-Dichlorobenzene	ND	2000	ug/kg	SW846 8270C
1,4-Dichlorobenzene	ND	2000	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	9600	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	2000	ug/kg	SW846 8270C
Diethyl phthalate	ND	2000	ug/kg	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 **Work Order #...:** DWD0P1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dimethylphenol	ND	2000	ug/kg	SW846 8270C
Dimethyl phthalate	ND	2000	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	9600	ug/kg	SW846 8270C
2,4-Dinitrophenol	ND	9600	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	2000	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	2000	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	2000	ug/kg	SW846 8270C
Fluoranthene	ND	2000	ug/kg	SW846 8270C
Fluorene	ND	2000	ug/kg	SW846 8270C
Hexachlorobenzene	ND	2000	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	2000	ug/kg	SW846 8270C
Hexachlorocyclopentadiene	ND	9600	ug/kg	SW846 8270C
Hexachloroethane	ND	2000	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	2000	ug/kg	SW846 8270C
Isophorone	ND	2000	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	2000	ug/kg	SW846 8270C
2-Methylphenol	ND	2000	ug/kg	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	2000	ug/kg	SW846 8270C
Naphthalene	ND	2000	ug/kg	SW846 8270C
2-Nitroaniline	ND	9600	ug/kg	SW846 8270C
3-Nitroaniline	ND	9600	ug/kg	SW846 8270C
4-Nitroaniline	ND	9600	ug/kg	SW846 8270C
Nitrobenzene	ND	2000	ug/kg	SW846 8270C
2-Nitrophenol	ND	2000	ug/kg	SW846 8270C
4-Nitrophenol	ND	9600	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	2000	ug/kg	SW846 8270C
N-Nitrosodi-n-propylamine	ND	2000	ug/kg	SW846 8270C
Pentachlorophenol	ND	9600	ug/kg	SW846 8270C
Phenanthrene	ND	2000	ug/kg	SW846 8270C
Phenol	ND	2000	ug/kg	SW846 8270C
Pyrene	ND	2000	ug/kg	SW846 8270C
1,2,4-Trichlorobenzene	ND	2000	ug/kg	SW846 8270C
2,4,5-Trichlorophenol	ND	2000	ug/kg	SW846 8270C
2,4,6-Trichlorophenol	ND	2000	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	76	(40 - 130)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 **Work Order #...:** DWD0P1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Fluorophenol	67	(50 - 115)		
2,4,6-Tribromophenol	66	(30 - 115)		
Nitrobenzene-d5	73	(45 - 115)		
Phenol-d5	77	(50 - 120)		
Terphenyl-d14	68	(50 - 140)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189
MB Lot-Sample #: E1B200000-510
Analysis Date..: 02/21/01
Dilution Factor: 1

Work Order #...: DWED21AA
Prep Date.....: 02/20/01
Prep Batch #...: 1051510
Analyst ID.....: 010060

Matrix.....: SOLID
Analysis Time..: 12:53
Instrument ID..: MSE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Aniline	ND	660	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Benzidine	ND	660	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
Benzoic acid	ND	1600	ug/kg	SW846 8270C
Benzyl alcohol	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	330	ug/kg	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270C
Carbazole	ND	330	ug/kg	SW846 8270C
4-Chloroaniline	ND	330	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270C
2-Chlorophenol	ND	330	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Dibenzofuran	ND	330	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270C
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270C
Diethyl phthalate	ND	330	ug/kg	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 **Work Order #...:** DWED21AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Hexachlorobenzene	ND	330	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270C
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270C
Hexachloroethane	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
Isophorone	ND	330	ug/kg	SW846 8270C
1-Methylnaphthalene	ND	330	ug/kg	SW846 8270C
2-Methylphenol	ND	330	ug/kg	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	330	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
2-Nitroaniline	ND	1600	ug/kg	SW846 8270C
3-Nitroaniline	ND	1600	ug/kg	SW846 8270C
4-Nitroaniline	ND	1600	ug/kg	SW846 8270C
Nitrobenzene	ND	330	ug/kg	SW846 8270C
2-Nitrophenol	ND	330	ug/kg	SW846 8270C
4-Nitrophenol	ND	1600	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270C
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270C
Pentachlorophenol	ND	1600	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Phenol	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
1,2,4-Trichlorobenzene	ND	330	ug/kg	SW846 8270C
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270C
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	80	(40 - 130)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 Work Order #...: DWED21AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Fluorophenol	79	(50 - 115)		
2,4,6-Tribromophenol	69	(30 - 115)		
Nitrobenzene-d5	75	(45 - 115)		
Phenol-d5	84	(50 - 120)		
Terphenyl-d14	81	(50 - 140)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: E1B150189 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium		Work Order #: DV95L1AA		MB Lot-Sample #:	E1B160000-517	
	ND	0.10	mg/kg	SW846 7196A	02/16/01	1047517

Dilution Factor: 1

Analysis Time..: 20:44 Analyst ID.....: 000135 Instrument ID..: W06

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...:	E1B150189	**Work Order #...:**	DV8491AC-LCS	**Matrix.....:**	SOLID
LCS Lot-Sample#:	G1B160000-372		DV8491AD-LCSD		
Prep Date.....:	02/16/01	**Analysis Date..:**	03/16/01		
Prep Batch #...:	1047372	**Analysis Time..:**	15:20		
Dilution Factor:	1	**Instrument ID..:**	L2		
Analyst ID.....:	001754				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	1330	862	ug/kg	65		SW846 8310
	1330	777	ug/kg	58	10	SW846 8310
Acenaphthylene	667	402	ug/kg	60		SW846 8310
	667	321 a	ug/kg	48	22	SW846 8310
Anthracene	26.7	16.2	ug/kg	61		SW846 8310
	26.7	12.4 a	ug/kg	47	26	SW846 8310
Benzo(a)anthracene	66.7	48.0	ug/kg	72		SW846 8310
	66.7	43.4	ug/kg	65	10	SW846 8310
Benzo(a)pyrene	**66.7**	**39.7**	**ug/kg**	**60**		**SW846 8310**
	66.7	**30.5 a**	**ug/kg**	**46**	**26**	**SW846 8310**
Benzo(b)fluoranthene	26.7	19.3	ug/kg	72		SW846 8310
	26.7	17.9	ug/kg	67	7.6	SW846 8310
Benzo(ghi)perylene	107	69.4	ug/kg	65		SW846 8310
	107	68.5	ug/kg	64	1.3	SW846 8310
Benzo(k)fluoranthene	26.7	17.5	ug/kg	66		SW846 8310
	26.7	16.6	ug/kg	62	5.1	SW846 8310
Chrysene	66.7	50.6	ug/kg	76		SW846 8310
	66.7	49.5	ug/kg	74	2.2	SW846 8310
Dibenz(a,h)anthracene	267	173	ug/kg	65		SW846 8310
	267	172	ug/kg	64	0.86	SW846 8310
Fluoranthene	66.7	45.6	ug/kg	68		SW846 8310
	66.7	43.2	ug/kg	65	5.4	SW846 8310
Fluorene	**133**	**88.5**	**ug/kg**	**66**		**SW846 8310**
	133	**81.9**	**ug/kg**	**61**	**7.8**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**66.7**	**44.7**	**ug/kg**	**67**		**SW846 8310**
	66.7	**41.9**	**ug/kg**	**63**	**6.4**	**SW846 8310**
Naphthalene	**667**	**364**	**ug/kg**	**55**		**SW846 8310**
	667	**331**	**ug/kg**	**50**	**9.4**	**SW846 8310**
Phenanthrene	53.3	40.0	ug/kg	75		SW846 8310
	53.3	36.4	ug/kg	68	9.5	SW846 8310
Pyrene	**133**	**93.2**	**ug/kg**	**70**		**SW846 8310**
	133	**84.9**	**ug/kg**	**64**	**9.3**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	64	(41 - 115)
	58	(41 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: E1B150189
LCS Lot-Sample#: G1B160000-372
Prep Date.....: 02/16/01
Prep Batch #...: 1047372
Dilution Factor: 1
Analyst ID.....: 001754

Work Order #...: DV8491AC-LCS
DV8491AD-LCSD
Analysis Date..: 03/16/01
Analysis Time..: 15:20
Instrument ID..: L2

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	65	(50 - 150)			SW846 8310
	58	(50 - 150)	10	(0-50)	SW846 8310
Acenaphthylene	60	(50 - 150)			SW846 8310
	48 a	(50 - 150)	22	(0-50)	SW846 8310
Anthracene	61	(50 - 150)			SW846 8310
	47 a	(50 - 150)	26	(0-50)	SW846 8310
Benzo(a)anthracene	72	(50 - 150)			SW846 8310
	65	(50 - 150)	10	(0-50)	SW846 8310
Benzo(a)pyrene	**60**	**(49 - 107)**			**SW846 8310**
	46 a	**(49 - 107)**	**26**	**(0-53)**	**SW846 8310**
Benzo(b)fluoranthene	72	(50 - 150)			SW846 8310
	67	(50 - 150)	7.6	(0-50)	SW846 8310
Benzo(ghi)perylene	65	(50 - 150)			SW846 8310
	64	(50 - 150)	1.3	(0-50)	SW846 8310
Benzo(k)fluoranthene	66	(50 - 150)			SW846 8310
	62	(50 - 150)	5.1	(0-50)	SW846 8310
Chrysene	76	(50 - 150)			SW846 8310
	74	(50 - 150)	2.2	(0-50)	SW846 8310
Dibenz(a,h)anthracene	65	(50 - 150)			SW846 8310
	64	(50 - 150)	0.86	(0-50)	SW846 8310
Fluoranthene	68	(50 - 150)			SW846 8310
	65	(50 - 150)	5.4	(0-50)	SW846 8310
Fluorene	**66**	**(43 - 112)**			**SW846 8310**
	61	**(43 - 112)**	**7.8**	**(0-56)**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**67**	**(54 - 114)**			**SW846 8310**
	63	**(54 - 114)**	**6.4**	**(0-51)**	**SW846 8310**
Naphthalene	**55**	**(44 - 110)**			**SW846 8310**
	50	**(44 - 110)**	**9.4**	**(0-50)**	**SW846 8310**
Phenanthrene	75	(50 - 150)			SW846 8310
	68	(50 - 150)	9.5	(0-50)	SW846 8310
Pyrene	**70**	**(49 - 115)**			**SW846 8310**
	64	**(49 - 115)**	**9.3**	**(0-54)**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	64	(41 - 115)
	58	(41 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E1B150189 Work Order #...: DV9GA1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B160000-405
Prep Date.....: 02/16/01 Analysis Date..: 02/19/01
Prep Batch #...: 1047405 Analysis Time..: 10:09
Dilution Factor: 1 Instrument ID..: G8B
Analyst ID.....: 018568

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aroclor 1016	**333**	**337**	**ug/kg**	**101**	**SW846 8082**
Aroclor 1260	**333**	**334**	**ug/kg**	**100**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	96	(60 - 140)
Tetrachloro-m-xylene	57 *	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 Work Order #...: DWD0P1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B160000-425
Prep Date.....: 02/19/01 Analysis Date..: 02/21/01
Prep Batch #...: 1047425 Analysis Time..: 15:06
Dilution Factor: 1 Instrument ID..: MSE
Analyst ID.....: 010060

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	3330	2750	ug/kg	82	SW846 8270C
4-Chloro-3-methylphenol	5000	3860	ug/kg	77	SW846 8270C
2-Chlorophenol	5000	3710	ug/kg	74	SW846 8270C
1,4-Dichlorobenzene	3330	2330	ug/kg	70	SW846 8270C
2,4-Dinitrotoluene	3330	3110	ug/kg	93	SW846 8270C
4-Nitrophenol	5000	4510	ug/kg	90	SW846 8270C
N-Nitrosodi-n-propyl-amine	3330	2710	ug/kg	81	SW846 8270C
Pentachlorophenol	5000	3950	ug/kg	79	SW846 8270C
Phenol	5000	3360	ug/kg	67	SW846 8270C
Pyrene	3330	2570	ug/kg	77	SW846 8270C
1,2,4-Trichloro-benzene	3330	2420	ug/kg	73	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	78	(40 - 130)
2-Fluorophenol	74	(50 - 115)
2,4,6-Tribromophenol	76	(30 - 115)
Nitrobenzene-d5	78	(45 - 115)
Phenol-d5	74	(50 - 120)
Terphenyl-d14	74	(50 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 Work Order #...: DWED21AC Matrix.....: SOLID
LCS Lot-Sample#: E1B200000-510
Prep Date.....: 02/20/01 Analysis Date..: 02/21/01
Prep Batch #...: 1051510 Analysis Time..: 14:33
Dilution Factor: 1 Instrument ID..: MSE
Analyst ID.....: 010060

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	3330	2550	ug/kg	76	SW846 8270C
4-Chloro-3-methylphenol	5000	3540	ug/kg	71	SW846 8270C
2-Chlorophenol	5000	3610	ug/kg	72	SW846 8270C
1,4-Dichlorobenzene	3330	2130	ug/kg	64	SW846 8270C
2,4-Dinitrotoluene	3330	2790	ug/kg	84	SW846 8270C
4-Nitrophenol	5000	3890	ug/kg	78	SW846 8270C
N-Nitrosodi-n-propyl-amine	3330	2530	ug/kg	76	SW846 8270C
Pentachlorophenol	5000	3360	ug/kg	67	SW846 8270C
Phenol	5000	3240	ug/kg	65	SW846 8270C
Pyrene	3330	2400	ug/kg	72	SW846 8270C
1,2,4-Trichloro-benzene	3330	2250	ug/kg	67	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	74	(40 - 130)
2-Fluorophenol	70	(50 - 115)
2,4,6-Tribromophenol	70	(30 - 115)
Nitrobenzene-d5	74	(45 - 115)
Phenol-d5	75	(50 - 120)
Terphenyl-d14	66	(50 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: E1B150189 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium			Work Order #:	DV95L1AC	LCS Lot-Sample#:	E1B160000-517	
	0.0500	0.0503	mg/kg	101	SW846 7196A	02/16/01	1047517

Dilution Factor: 1

Analysis Time..: 20:46 Analyst ID.....: 000135 Instrument ID..: W06

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E1B150189 **Work Order #...:** DV9GA1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1B160000-405
Prep Date.....: 02/16/01 **Analysis Date..:** 02/19/01
Prep Batch #...: 1047405 **Analysis Time..:** 10:09
Dilution Factor: 1 **Instrument ID..:** G8B
Analyst ID.....: 018568

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**101**	**(65 - 130)**	**SW846 8082**
Aroclor 1260	**100**	**(70 - 130)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	96	(60 - 140)
Tetrachloro-m-xylene	57 *	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 Work Order #...: DWD0P1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B160000-425
Prep Date.....: 02/19/01 Analysis Date..: 02/21/01
Prep Batch #...: 1047425 Analysis Time..: 15:06
Dilution Factor: 1 Instrument ID..: MSE
Analyst ID.....: 010060

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**82**	**(50 - 125)**	**SW846 8270C**
4-Chloro-3-methylphenol	**77**	**(50 - 110)**	**SW846 8270C**
2-Chlorophenol	**74**	**(50 - 120)**	**SW846 8270C**
1,4-Dichlorobenzene	**70**	**(40 - 115)**	**SW846 8270C**
2,4-Dinitrotoluene	**93**	**(40 - 120)**	**SW846 8270C**
4-Nitrophenol	**90**	**(10 - 120)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**81**	**(40 - 120)**	**SW846 8270C**
Pentachlorophenol	**79**	**(20 - 130)**	**SW846 8270C**
Phenol	**67**	**(40 - 110)**	**SW846 8270C**
Pyrene	**77**	**(50 - 140)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**73**	**(50 - 115)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	78	(40 - 130)
2-Fluorophenol	74	(50 - 115)
2,4,6-Tribromophenol	76	(30 - 115)
Nitrobenzene-d5	78	(45 - 115)
Phenol-d5	74	(50 - 120)
Terphenyl-d14	74	(50 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 Work Order #...: DWED21AC Matrix.....: SOLID
LCS Lot-Sample#: E1B200000-510
Prep Date.....: 02/20/01 Analysis Date..: 02/21/01
Prep Batch #...: 1051510 Analysis Time..: 14:33
Dilution Factor: 1 Instrument ID..: MSE
Analyst ID.....: 010060

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**76**	**(50 - 125)**	**SW846 8270C**
4-Chloro-3-methylphenol	**71**	**(50 - 110)**	**SW846 8270C**
2-Chlorophenol	**72**	**(50 - 120)**	**SW846 8270C**
1,4-Dichlorobenzene	**64**	**(40 - 115)**	**SW846 8270C**
2,4-Dinitrotoluene	**84**	**(40 - 120)**	**SW846 8270C**
4-Nitrophenol	**78**	**(10 - 120)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**76**	**(40 - 120)**	**SW846 8270C**
Pentachlorophenol	**67**	**(20 - 130)**	**SW846 8270C**
Phenol	**65**	**(40 - 110)**	**SW846 8270C**
Pyrene	**72**	**(50 - 140)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**67**	**(50 - 115)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	74	(40 - 130)
2-Fluorophenol	70	(50 - 115)
2,4,6-Tribromophenol	70	(30 - 115)
Nitrobenzene-d5	74	(45 - 115)
Phenol-d5	75	(50 - 120)
Terphenyl-d14	66	(50 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: E1B150189 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium		Work Order #: DV95L1AC		LCS Lot-Sample#: E1B160000-517	
	101	(80 - 120)	SW846 7196A	02/16/01	1047517

Dilution Factor: 1

Analysis Time..: 20:46 Analyst ID.....: 000135 Instrument ID..: W06

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...:	E1B150189	**Work Order #...:**	DV6NE1AF-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1B150189-001		DV6NE1AG-MSD		
Date Sampled...:	01/09/01 08:00	**Date Received..:**	01/15/01 14:40	**MS Run #.....:**	1047226
Prep Date.....:	02/16/01	**Analysis Date..:**	02/19/01		
Prep Batch #...:	1047405	**Analysis Time..:**	19:25		
Dilution Factor:	1	**Analyst ID.....:**	018568	**Instrument ID..:**	G8B

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	**ND**	**333**	**188**	**ug/kg**	**56 a**		**SW846 8082**
	ND	**333**	**206**	**ug/kg**	**62 a**	**9.2**	**SW846 8082**
Aroclor 1260	**370**	**333**		**ug/kg**	**0.0**		**SW846 8082**
	Qualifiers: NC,MSB						
	370	**333**		**ug/kg**	**0.0**	**0.0**	**SW846 8082**
	Qualifiers: NC,MSB						

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	115	(60 - 140)
	130	(60 - 140)
Tetrachloro-m-xylene	53 *	(60 - 140)
	57 *	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

* Surrogate recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...:	E1B150189	Work Order #...:	DV6NR1AH-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1B150189-003		DV6NR1AJ-MSD		
Date Sampled...:	01/15/01 12:30	Date Received..:	01/15/01 14:40	MS Run #.....:	1051273
Prep Date.....:	02/20/01	Analysis Date..:	02/21/01		
Prep Batch #...:	1051510	Analysis Time..:	15:40		
Dilution Factor:	1	Analyst ID.....:	010060	Instrument ID..:	MSE

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	ND	3330	2740	ug/kg	82		SW846 8270C
	ND	3330	2740	ug/kg	82	0.03	SW846 8270C
4-Chloro-3-methylphenol	ND	5000	3970	ug/kg	79		SW846 8270C
	ND	5000	4000	ug/kg	80	0.95	SW846 8270C
2-Chlorophenol	ND	5000	2920	ug/kg	58		SW846 8270C
	ND	5000	3400	ug/kg	68	15	SW846 8270C
1,4-Dichlorobenzene	ND	3330	1360	ug/kg	41		SW846 8270C
	ND	3330	1610	ug/kg	48	17	SW846 8270C
2,4-Dinitrotoluene	ND	3330	3320	ug/kg	99		SW846 8270C
	ND	3330	3320	ug/kg	99	0.0	SW846 8270C
4-Nitrophenol	ND	5000	4850	ug/kg	97		SW846 8270C
	ND	5000	4610	ug/kg	92	5.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3330	2260	ug/kg	68		SW846 8270C
	ND	3330	2390	ug/kg	72	5.5	SW846 8270C
Pentachlorophenol	ND	5000	4070	ug/kg	81		SW846 8270C
	ND	5000	3900	ug/kg	78	4.5	SW846 8270C
Phenol	ND	5000	2990	ug/kg	60		SW846 8270C
	ND	5000	3180	ug/kg	64	6.0	SW846 8270C
Pyrene	150	3330	2860	ug/kg	81		SW846 8270C
	150	3330	2800	ug/kg	79	2.3	SW846 8270C
1,2,4-Trichloro-benzene	ND	3330	1760	ug/kg	53		SW846 8270C
	ND	3330	2120	ug/kg	63	18	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	74	(40 - 130)
	72	(40 - 130)
2-Fluorophenol	55	(50 - 115)
	61	(50 - 115)
2,4,6-Tribromophenol	78	(30 - 115)
	76	(30 - 115)
Nitrobenzene-d5	57	(45 - 115)
	62	(45 - 115)
henol-d5	67	(50 - 120)
	70	(50 - 120)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 **Work Order #...:** DV6NR1AH-MS **Matrix.....:** SOLID
MS Lot-Sample #: E1B150189-003 DV6NR1AJ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	84	(50 - 140)
	82	(50 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: E1B150189 **Matrix.....:** SOLID
Date Sampled...: 01/09/01 08:00 **Date Received..:** 01/15/01 14:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium			WO#: DV6NE1AH-MS/DV6NE1AJ-MSD				MS Lot-Sample #: E1B150189-001		
	ND	0.050		mg/kg	88		SW846 7196A	02/16/01	1047517
	ND	0.050		mg/kg	88	0.0	SW846 7196A	02/16/01	1047517

Dilution Factor: 1
Analysis Time..: 20:50 Instrument ID..: W06 Analyst ID.....: 000135
MS Run #.....: 1048019

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	E1B150189	Work Order #...:	DV6NE1AF-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1B150189-001		DV6NE1AG-MSD		
Date Sampled...:	01/09/01 08:00	Date Received..:	01/15/01 14:40	MS Run #.....:	1047226
Prep Date.....:	02/16/01	Analysis Date..:	02/19/01		
Prep Batch #...:	1047405	Analysis Time..:	19:25		
Dilution Factor:	1	Analyst ID.....:	018568	Instrument ID..:	G8B

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**56 a**	**(65 - 130)**			**SW846 8082**
	62 a	**(65 - 130)**	**9.2**	**(0-30)**	**SW846 8082**
Aroclor 1260	**0.0 NC,MS**	**(70 - 130)**			**SW846 8082**
	0.0 NC,MS	**(70 - 130)**	**0.0**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	115	(60 - 140)
	130	(60 - 140)
Tetrachloro-m-xylene	53 *	(60 - 140)
	57 *	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

* Surrogate recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...:	E1B150189	Work Order #...:	DV6NR1AH-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1B150189-003		DV6NR1AJ-MSD		
Date Sampled...:	01/15/01 12:30	Date Received..:	01/15/01 14:40	MS Run #.....:	1051273
Prep Date.....:	02/20/01	Analysis Date..:	02/21/01		
Prep Batch #...:	1051510	Analysis Time..:	15:40		
Dilution Factor:	1	Analyst ID.....:	010060	Instrument ID..:	MSE

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	82	(50 - 125)			SW846 8270C
	82	(50 - 125)	0.03	(0-35)	SW846 8270C
4-Chloro-3-methylphenol	79	(50 - 110)			SW846 8270C
	80	(50 - 110)	0.95	(0-35)	SW846 8270C
2-Chlorophenol	58	(50 - 120)			SW846 8270C
	68	(50 - 120)	15	(0-35)	SW846 8270C
1,4-Dichlorobenzene	41	(40 - 115)			SW846 8270C
	48	(40 - 115)	17	(0-35)	SW846 8270C
2,4-Dinitrotoluene	99	(40 - 120)			SW846 8270C
	99	(40 - 120)	0.0	(0-35)	SW846 8270C
4-Nitrophenol	97	(10 - 120)			SW846 8270C
	92	(10 - 120)	5.2	(0-35)	SW846 8270C
N-Nitrosodi-n-propyl-amine	68	(40 - 120)			SW846 8270C
	72	(40 - 120)	5.5	(0-35)	SW846 8270C
Pentachlorophenol	81	(20 - 130)			SW846 8270C
	78	(20 - 130)	4.5	(0-35)	SW846 8270C
Phenol	60	(40 - 110)			SW846 8270C
	64	(40 - 110)	6.0	(0-35)	SW846 8270C
Pyrene	81	(50 - 140)			SW846 8270C
	79	(50 - 140)	2.3	(0-35)	SW846 8270C
1,2,4-Trichloro-benzene	53	(50 - 115)			SW846 8270C
	63	(50 - 115)	18	(0-35)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	74	(40 - 130)
	72	(40 - 130)
2-Fluorophenol	55	(50 - 115)
	61	(50 - 115)
2,4,6-Tribromophenol	78	(30 - 115)
	76	(30 - 115)
Nitrobenzene-d5	57	(45 - 115)
	62	(45 - 115)
Phenol-d5	67	(50 - 120)
	70	(50 - 120)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: E1B150189 Work Order #...: DV6NR1AH-MS Matrix.....: SOLID
MS Lot-Sample #: E1B150189-003 DV6NR1AJ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	84	(50 - 140)
	82	(50 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: E1B150189 **Matrix.....:** SOLID
Date Sampled...: 01/09/01 08:00 **Date Received..:** 01/15/01 14:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium		WO#: DV6NE1AH-MS/DV6NE1AJ-MSD				MS Lot-Sample #: E1B150189-001	
	88	(80 - 120)			SW846 7196A	02/16/01	1047517
	88	(80 - 120)	0.0	(0-20)	SW846 7196A	02/16/01	1047517

Dilution Factor: 1
Analysis Time..: 20:50 Instrument ID..: W06 Analyst ID.....: 000135
MS Run #.....: 1048019

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.