TASK 210:
SUBSURFACE SITE INVESTIGATION

New Britain-Hartford Busway Project
Newington Junction Station
144 – 148, 150, & 160 Willard Avenue
Newington, Connecticut

Volume 3 of 3

ConnDOT Assignment No. 202-3153
ConnDOT Project No. 171-305

Prepared for:

State of Connecticut
Department of Transportation
Newington, Connecticut 06131

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APPENDIX F
QA/QC Sample
Laboratory Reports

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-1 SA54484-04	171-305	Blank Water	19-Nov-06 00:00	20-Nov-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B	27-Nov-06	28-Nov-06	6111850	mar
67-64-1	Acetone	BRL		µg/l	20.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-1	171-305	Blank Water	19-Nov-06 00:00	20-Nov-06
SA54484-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	SW846 8260B	27-Nov-06	28-Nov-06	6111850	mar
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96.0*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*			"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111850 - SW846 5030 Water MS										
Blank (6111850-BLK1)										
Prepared & Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	20.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111850 - SW846 5030 Water MS										
Blank (6111850-BLK1)										
Prepared & Analyzed: 28-Nov-06										
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/l		*30.0*		*98.3*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.9*		µg/l		*30.0*		*99.7*	*70-130*		
Surrogate: Dibromofluoromethane	*30.9*		µg/l		*30.0*		*103*	*70-130*		
LCS (6111850-BS1)										
Prepared & Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.0		µg/l		20.0		125	70-130		
Acetone	25.6		µg/l		20.0		128	29.5-156		
Acrylonitrile	22.1		µg/l		20.0		110	70-130		
Benzene	21.1		µg/l		20.0		106	70-130		
Bromobenzene	23.2		µg/l		20.0		116	70-130		
Bromochloromethane	21.3		µg/l		20.0		106	70-130		
Bromodichloromethane	22.5		µg/l		20.0		112	70-130		
Bromoform	24.7		µg/l		20.0		124	70-130		
Bromomethane	23.4		µg/l		20.0		117	57.7-151		
2-Butanone (MEK)	23.9		µg/l		20.0		120	48.9-134		
n-Butylbenzene	21.3		µg/l		20.0		106	70-130		
sec-Butylbenzene	23.4		µg/l		20.0		117	70-130		
tert-Butylbenzene	23.4		µg/l		20.0		117	70-130		
Carbon disulfide	21.7		µg/l		20.0		108	70-130		
Carbon tetrachloride	21.0		µg/l		20.0		105	70-130		
Chlorobenzene	21.8		µg/l		20.0		109	70-130		
Chloroethane	21.3		µg/l		20.0		106	56.9-145		
Chloroform	20.9		µg/l		20.0		104	70-130		
Chloromethane	22.3		µg/l		20.0		112	70-130		
2-Chlorotoluene	23.0		µg/l		20.0		115	70-130		
4-Chlorotoluene	22.0		µg/l		20.0		110	70-130		
1,2-Dibromo-3-chloropropane	22.8		µg/l		20.0		114	70-130		
Dibromochloromethane	23.7		µg/l		20.0		118	61.5-142		
1,2-Dibromoethane (EDB)	22.7		µg/l		20.0		114	70-130		
Dibromomethane	21.6		µg/l		20.0		108	70-130		
1,2-Dichlorobenzene	22.0		µg/l		20.0		110	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111850 - SW846 5030 Water MS										
LCS (6111850-BS1)										
Prepared & Analyzed: 28-Nov-06										
1,3-Dichlorobenzene	23.3		µg/l		20.0		116	70-130		
1,4-Dichlorobenzene	21.0		µg/l		20.0		105	70-130		
Dichlorodifluoromethane (Freon12)	23.2		µg/l		20.0		116	36.6-187		
1,1-Dichloroethane	20.7		µg/l		20.0		104	70-130		
1,2-Dichloroethane	20.1		µg/l		20.0		100	70-130		
1,1-Dichloroethene	22.4		µg/l		20.0		112	70-130		
cis-1,2-Dichloroethene	22.3		µg/l		20.0		112	70-130		
trans-1,2-Dichloroethene	20.7		µg/l		20.0		104	70-130		
1,2-Dichloropropane	21.1		µg/l		20.0		106	70-130		
1,3-Dichloropropane	22.7		µg/l		20.0		114	70-130		
2,2-Dichloropropane	19.5		µg/l		20.0		97.5	70-130		
1,1-Dichloropropene	22.4		µg/l		20.0		112	70-130		
cis-1,3-Dichloropropene	22.3		µg/l		20.0		112	70-130		
trans-1,3-Dichloropropene	21.1		µg/l		20.0		106	70-130		
Ethylbenzene	21.5		µg/l		20.0		108	70-130		
Hexachlorobutadiene	23.0		µg/l		20.0		115	68.7-142		
2-Hexanone (MBK)	24.2		µg/l		20.0		121	56.3-131		
Isopropylbenzene	21.6		µg/l		20.0		108	70-130		
4-Isopropyltoluene	21.7		µg/l		20.0		108	70-130		
Methyl tert-butyl ether	21.0		µg/l		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	22.9		µg/l		20.0		114	55.2-129		
Methylene chloride	20.6		µg/l		20.0		103	70-130		
Naphthalene	24.6		µg/l		20.0		123	70-130		
n-Propylbenzene	21.7		µg/l		20.0		108	70-130		
Styrene	23.5		µg/l		20.0		118	70-130		
1,1,1,2-Tetrachloroethane	23.4		µg/l		20.0		117	70-130		
1,1,2,2-Tetrachloroethane	22.5		µg/l		20.0		112	70-130		
Tetrachloroethene	22.4		µg/l		20.0		112	70-130		
Toluene	22.2		µg/l		20.0		111	70-130		
1,2,3-Trichlorobenzene	22.3		µg/l		20.0		112	70-130		
1,2,4-Trichlorobenzene	22.0		µg/l		20.0		110	70-130		
1,1,1-Trichloroethane	21.2		µg/l		20.0		106	70-130		
1,1,2-Trichloroethane	22.4		µg/l		20.0		112	70-130		
Trichloroethene	21.3		µg/l		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	21.8		µg/l		20.0		109	68-148		
1,2,3-Trichloropropane	25.2		µg/l		20.0		126	70-130		
1,2,4-Trimethylbenzene	22.5		µg/l		20.0		112	70-130		
1,3,5-Trimethylbenzene	22.6		µg/l		20.0		113	70-130		
Vinyl chloride	27.4	QC1	µg/l		20.0		137	70-130		
m,p-Xylene	45.5		µg/l		40.0		114	70-130		
o-Xylene	22.4		µg/l		20.0		112	70-130		
Tetrahydrofuran	23.7		µg/l		20.0		118	70-130		
Ethyl ether	20.5		µg/l		20.0		102	57.6-132		
Tert-amyl methyl ether	22.8		µg/l		20.0		114	70-130		
Ethyl tert-butyl ether	22.0		µg/l		20.0		110	70-130		
Di-isopropyl ether	20.9		µg/l		20.0		104	70-130		
Tert-Butanol / butyl alcohol	240		µg/l		200		120	70-130		
1,4-Dioxane	245		µg/l		200		122	45.2-132		
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.7*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.3*		µg/l		*30.0*		*94.3*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/l		*30.0*		*99.3*	*70-130*		
LCS Dup (6111850-BSD1)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111850 - SW846 5030 Water MS										
Prepared & Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.3		µg/l		20.0		116	70-130	7.47	25
Acetone	22.6		µg/l		20.0		113	29.5-156	12.4	50
Acrylonitrile	21.0		µg/l		20.0		105	70-130	4.65	25
Benzene	20.4		µg/l		20.0		102	70-130	3.85	25
Bromobenzene	21.9		µg/l		20.0		110	70-130	5.31	25
Bromochloromethane	21.3		µg/l		20.0		106	70-130	0.00	25
Bromodichloromethane	21.9		µg/l		20.0		110	70-130	1.80	25
Bromoform	23.7		µg/l		20.0		118	70-130	4.96	25
Bromomethane	21.6		µg/l		20.0		108	57.7-151	8.00	50
2-Butanone (MEK)	21.7		µg/l		20.0		108	48.9-134	10.5	50
n-Butylbenzene	20.6		µg/l		20.0		103	70-130	2.87	25
sec-Butylbenzene	22.0		µg/l		20.0		110	70-130	6.17	25
tert-Butylbenzene	22.1		µg/l		20.0		110	70-130	6.17	25
Carbon disulfide	21.1		µg/l		20.0		106	70-130	1.87	25
Carbon tetrachloride	20.5		µg/l		20.0		102	70-130	2.90	25
Chlorobenzene	21.2		µg/l		20.0		106	70-130	2.79	25
Chloroethane	20.4		µg/l		20.0		102	56.9-145	3.85	50
Chloroform	20.5		µg/l		20.0		102	70-130	1.94	25
Chloromethane	21.3		µg/l		20.0		106	70-130	5.50	25
2-Chlorotoluene	21.8		µg/l		20.0		109	70-130	5.36	25
4-Chlorotoluene	20.9		µg/l		20.0		104	70-130	5.61	25
1,2-Dibromo-3-chloropropane	21.8		µg/l		20.0		109	70-130	4.48	25
Dibromochloromethane	23.3		µg/l		20.0		116	61.5-142	1.71	50
1,2-Dibromoethane (EDB)	21.2		µg/l		20.0		106	70-130	7.27	25
Dibromomethane	20.8		µg/l		20.0		104	70-130	3.77	25
1,2-Dichlorobenzene	21.2		µg/l		20.0		106	70-130	3.70	25
1,3-Dichlorobenzene	22.2		µg/l		20.0		111	70-130	4.41	25
1,4-Dichlorobenzene	20.5		µg/l		20.0		102	70-130	2.90	25
Dichlorodifluoromethane (Freon12)	21.1		µg/l		20.0		106	36.6-187	9.01	50
1,1-Dichloroethane	20.4		µg/l		20.0		102	70-130	1.94	25
1,2-Dichloroethane	19.4		µg/l		20.0		97.0	70-130	3.05	25
1,1-Dichloroethene	22.0		µg/l		20.0		110	70-130	1.80	25
cis-1,2-Dichloroethene	21.7		µg/l		20.0		108	70-130	3.64	25
trans-1,2-Dichloroethene	20.8		µg/l		20.0		104	70-130	0.00	25
1,2-Dichloropropane	20.9		µg/l		20.0		104	70-130	1.90	25
1,3-Dichloropropane	21.4		µg/l		20.0		107	70-130	6.33	25
2,2-Dichloropropane	18.8		µg/l		20.0		94.0	70-130	3.66	25
1,1-Dichloropropene	21.8		µg/l		20.0		109	70-130	2.71	25
cis-1,3-Dichloropropene	22.0		µg/l		20.0		110	70-130	1.80	25
trans-1,3-Dichloropropene	21.0		µg/l		20.0		105	70-130	0.948	25
Ethylbenzene	21.3		µg/l		20.0		106	70-130	1.87	25
Hexachlorobutadiene	20.4		µg/l		20.0		102	68.7-142	12.0	50
2-Hexanone (MBK)	22.9		µg/l		20.0		114	56.3-131	5.96	25
Isopropylbenzene	20.7		µg/l		20.0		104	70-130	3.77	25
4-Isopropyltoluene	21.2		µg/l		20.0		106	70-130	1.87	25
Methyl tert-butyl ether	20.4		µg/l		20.0		102	70-130	2.90	25
4-Methyl-2-pentanone (MIBK)	22.0		µg/l		20.0		110	55.2-129	3.57	50
Methylene chloride	19.6		µg/l		20.0		98.0	70-130	4.98	25
Naphthalene	21.4		µg/l		20.0		107	70-130	13.9	25
n-Propylbenzene	21.0		µg/l		20.0		105	70-130	2.82	25
Styrene	22.0		µg/l		20.0		110	70-130	7.02	25
1,1,1,2-Tetrachloroethane	23.2		µg/l		20.0		116	70-130	0.858	25
1,1,2,2-Tetrachloroethane	21.2		µg/l		20.0		106	70-130	5.50	25
Tetrachloroethene	22.4		µg/l		20.0		112	70-130	0.00	25
Toluene	21.5		µg/l		20.0		108	70-130	2.74	25

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111601 - SW846 3535										
Blank (6111601-BLK1)										
Prepared: 22-Nov-06 Analyzed: 28-Nov-06										
Gasoline	BRL		mg/l	0.05						
Fuel Oil #2	BRL		mg/l	0.05						
Fuel Oil #4	BRL		mg/l	0.05						
Fuel Oil #6	BRL		mg/l	0.05						
Motor Oil	BRL		mg/l	0.05						
Aviation Fuel	BRL		mg/l	0.05						
Unidentified	BRL		mg/l	0.05						
Other Oil	BRL		mg/l	0.05						
Total Petroleum Hydrocarbons	BRL		mg/l	0.05						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.05						
Surrogate: 1-Chlorooctadecane	*0.0545*		mg/l		*0.0500*		*109*	*40-140*		
LCS (6111601-BS1)										
Prepared: 22-Nov-06 Analyzed: 28-Nov-06										
C9-C36 Aliphatic Hydrocarbons	1.5		mg/l	0.05	1.40		107	60-120		
Surrogate: 1-Chlorooctadecane	*0.0541*		mg/l		*0.0500*		*108*	*60-120*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111850 - SW846 5030 Water MS										
LCS Dup (6111850-BSD1)										
Prepared & Analyzed: 28-Nov-06										
1,2,3-Trichlorobenzene	21.7		µg/l		20.0		108	70-130	3.64	25
1,2,4-Trichlorobenzene	21.1		µg/l		20.0		106	70-130	3.70	25
1,1,1-Trichloroethane	20.1		µg/l		20.0		100	70-130	5.83	25
1,1,2-Trichloroethane	21.3		µg/l		20.0		106	70-130	5.50	25
Trichloroethene	20.5		µg/l		20.0		102	70-130	3.85	25
Trichlorofluoromethane (Freon 11)	20.5		µg/l		20.0		102	68-148	6.64	50
1,2,3-Trichloropropane	23.2		µg/l		20.0		116	70-130	8.26	25
1,2,4-Trimethylbenzene	21.3		µg/l		20.0		106	70-130	5.50	25
1,3,5-Trimethylbenzene	21.3		µg/l		20.0		106	70-130	6.39	25
Vinyl chloride	25.8		µg/l		20.0		129	70-130	6.02	25
m,p-Xylene	43.6		µg/l		40.0		109	70-130	4.48	25
o-Xylene	21.8		µg/l		20.0		109	70-130	2.71	25
Tetrahydrofuran	22.2		µg/l		20.0		111	70-130	6.11	25
Ethyl ether	20.6		µg/l		20.0		103	57.6-132	0.976	50
Tert-amyl methyl ether	22.3		µg/l		20.0		112	70-130	1.77	25
Ethyl tert-butyl ether	21.6		µg/l		20.0		108	70-130	1.83	25
Di-isopropyl ether	20.6		µg/l		20.0		103	70-130	0.966	25
Tert-Butanol / butyl alcohol	217		µg/l		200		108	70-130	10.5	25
1,4-Dioxane	221		µg/l		200		110	45.2-132	10.3	25
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/l		*30.0*		*98.7*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/l		*30.0*		*93.7*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Matrix Spike (6111850-MS1)	**Source: SA54567-33**									
Prepared & Analyzed: 28-Nov-06										
Benzene	21.2		µg/l		20.0	BRL	106	70-130		
Chlorobenzene	21.9		µg/l		20.0	BRL	110	70-130		
1,1-Dichloroethene	22.7		µg/l		20.0	BRL	114	70-130		
Toluene	22.3		µg/l		20.0	BRL	112	70-130		
Trichloroethene	21.6		µg/l		20.0	BRL	108	70-130		
Surrogate: 4-Bromofluorobenzene	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.3*		µg/l		*30.0*		*97.7*	*70-130*		
Surrogate: Dibromofluoromethane	*31.1*		µg/l		*30.0*		*104*	*70-130*		
Matrix Spike Dup (6111850-MSD1)	**Source: SA54567-33**									
Prepared & Analyzed: 28-Nov-06										
Benzene	21.8		µg/l		20.0	BRL	109	70-130	2.79	30
Chlorobenzene	21.8		µg/l		20.0	BRL	109	70-130	0.913	30
1,1-Dichloroethene	22.1		µg/l		20.0	BRL	110	70-130	3.57	30
Toluene	22.6		µg/l		20.0	BRL	113	70-130	0.889	30
Trichloroethene	21.5		µg/l		20.0	BRL	108	70-130	0.00	30
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/l		*30.0*		*99.7*	*70-130*		
Surrogate: Toluene-d8	*30.7*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*31.2*		µg/l		*30.0*		*104*	*70-130*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111598 - SW846 3510C										
Blank (6111598-BLK1)										
Prepared & Analyzed: 22-Nov-06										
PCB 1016	BRL		µg/l	0.200						
PCB 1221	BRL		µg/l	0.200						
PCB 1232	BRL		µg/l	0.200						
PCB 1242	BRL		µg/l	0.200						
PCB 1248	BRL		µg/l	0.200						
PCB 1254	BRL		µg/l	0.200						
PCB 1260	BRL		µg/l	0.200						
PCB 1262	BRL		µg/l	0.200						
PCB 1268	BRL		µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/l		*0.200*		*60.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.200*		µg/l		*0.200*		*100*	*30-150*		
LCS (6111598-BS1)										
Prepared & Analyzed: 22-Nov-06										
PCB 1016	2.23		µg/l	0.200	2.50		89.2	40-140		
PCB 1260	2.57		µg/l	0.200	2.50		103	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/l		*0.200*		*60.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.200*		µg/l		*0.200*		*100*	*30-150*		
LCS Dup (6111598-BSD1)										
Prepared & Analyzed: 22-Nov-06										
PCB 1016	2.29		µg/l	0.200	2.50		91.6	40-140	2.65	20
PCB 1260	2.70		µg/l	0.200	2.50		108	40-140	4.74	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.130*		µg/l		*0.200*		*65.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.240*		µg/l		*0.200*		*120*	*30-150*		
Batch 6111600 - SW846 3535										
Blank (6111600-BLK1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Aldrin	BRL		µg/l	0.010						
a-BHC	BRL		µg/l	0.010						
b-BHC	BRL		µg/l	0.010						
d-BHC	BRL		µg/l	0.010						
g-BHC (Lindane)	BRL		µg/l	0.010						
Chlordane	BRL		µg/l	0.050						
4,4-DDD (p,p')	BRL		µg/l	0.010						
4,4-DDE (p,p')	BRL		µg/l	0.010						
4,4-DDT (p,p')	BRL		µg/l	0.010						
Dieldrin	BRL		µg/l	0.002						
Endosulfan I	BRL		µg/l	0.010						
Endosulfan II	BRL		µg/l	0.010						
Endosulfan Sulfate	BRL		µg/l	0.010						
Endrin	BRL		µg/l	0.010						
Endrin Aldehyde	BRL		µg/l	0.010						
Heptachlor	BRL		µg/l	0.010						
Methoxychlor	BRL		µg/l	0.010						
Heptachlor Epoxide	BRL		µg/l	0.010						
Toxaphene	BRL		µg/l	0.050						
a-Chlordane	BRL		µg/l	0.010						
g-Chlordane	BRL		µg/l	0.010						
Endrin Ketone	BRL		µg/l	0.010						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0197*		µg/l		*0.0200*		*98.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0221*		µg/l		*0.0200*		*110*	*30-150*		
LCS (6111600-BS1)										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111600 - SW846 3535										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Aldrin	0.011		µg/l	0.010	0.0200		55.0	40-140		
a-BHC	0.011		µg/l	0.010	0.0200		55.0	40-140		
b-BHC	0.013		µg/l	0.010	0.0200		65.0	40-140		
d-BHC	0.008		µg/l	0.010	0.0200		40.0	40-140		
g-BHC (Lindane)	0.012		µg/l	0.010	0.0200		60.0	40-140		
4,4-DDD (p,p')	0.011		µg/l	0.010	0.0200		55.0	40-140		
4,4-DDE (p,p')	0.012		µg/l	0.010	0.0200		60.0	40-140		
4,4-DDT (p,p')	0.013		µg/l	0.010	0.0200		65.0	40-140		
Dieldrin	0.012		µg/l	0.002	0.0200		60.0	40-140		
Endosulfan I	0.008		µg/l	0.010	0.0200		40.0	40-140		
Endosulfan II	0.010		µg/l	0.010	0.0200		50.0	40-140		
Endosulfan Sulfate	0.013		µg/l	0.010	0.0200		65.0	40-140		
Endrin	0.013		µg/l	0.010	0.0200		65.0	40-140		
Endrin Aldehyde	0.013		µg/l	0.010	0.0200		65.0	40-140		
Heptachlor	0.013		µg/l	0.010	0.0200		65.0	40-140		
Methoxychlor	0.015		µg/l	0.010	0.0200		75.0	40-140		
Heptachlor Epoxide	0.012		µg/l	0.010	0.0200		60.0	40-140		
a-Chlordane	0.012		µg/l	0.010	0.0200		60.0	40-140		
g-Chlordane	0.012		µg/l	0.010	0.0200		60.0	40-140		
Endrin Ketone	0.012		µg/l	0.010	0.0200		60.0	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0121*		µg/l		*0.0200*		*60.5*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0170*		µg/l		*0.0200*		*85.0*	*40-140*		
LCS Dup (6111600-BSD1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Aldrin	0.011		µg/l	0.010	0.0200		55.0	40-140	0.00	20
a-BHC	0.010		µg/l	0.010	0.0200		50.0	40-140	9.52	20
b-BHC	0.013		µg/l	0.010	0.0200		65.0	40-140	0.00	20
d-BHC	0.008		µg/l	0.010	0.0200		40.0	40-140	0.00	20
g-BHC (Lindane)	0.012		µg/l	0.010	0.0200		60.0	40-140	0.00	20
4,4-DDD (p,p')	0.011		µg/l	0.010	0.0200		55.0	40-140	0.00	20
4,4-DDE (p,p')	0.012		µg/l	0.010	0.0200		60.0	40-140	0.00	20
4,4-DDT (p,p')	0.013		µg/l	0.010	0.0200		65.0	40-140	0.00	20
Dieldrin	0.012		µg/l	0.002	0.0200		60.0	40-140	0.00	20
Endosulfan I	0.008		µg/l	0.010	0.0200		40.0	40-140	0.00	20
Endosulfan II	0.010		µg/l	0.010	0.0200		50.0	40-140	0.00	20
Endosulfan Sulfate	0.014		µg/l	0.010	0.0200		70.0	40-140	7.41	20
Endrin	0.012		µg/l	0.010	0.0200		60.0	40-140	8.00	20
Endrin Aldehyde	0.012		µg/l	0.010	0.0200		60.0	40-140	8.00	20
Heptachlor	0.013		µg/l	0.010	0.0200		65.0	40-140	0.00	20
Methoxychlor	0.014		µg/l	0.010	0.0200		70.0	40-140	6.90	20
Heptachlor Epoxide	0.012		µg/l	0.010	0.0200		60.0	40-140	0.00	20
a-Chlordane	0.012		µg/l	0.010	0.0200		60.0	40-140	0.00	20
g-Chlordane	0.012		µg/l	0.010	0.0200		60.0	40-140	0.00	20
Endrin Ketone	0.012		µg/l	0.010	0.0200		60.0	40-140	0.00	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0120*		µg/l		*0.0200*		*60.0*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0180*		µg/l		*0.0200*		*90.0*	*40-140*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111602 - SW846 3510C										
Blank (6111602-BLK1)										
Prepared & Analyzed: 22-Nov-06										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthylene	BRL		µg/l	5.00						
Aniline	BRL		µg/l	5.00						
Anthracene	BRL		µg/l	5.00						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3'-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	5.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						
2-Methylphenol	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111602 - SW846 3510C										
Blank (6111602-BLK1)										
Prepared & Analyzed: 22-Nov-06										
3,4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	5.00						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	20.0						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	20.0						
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	20.0						
Phenanthrene	BRL		µg/l	5.00						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Pyridine	BRL		µg/l	5.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*91.8*		µg/l		*100*		*91.8*	*30-130*		
Surrogate: 2-Fluorophenol	*87.8*		µg/l		*100*		*87.8*	*15-110*		
Surrogate: Nitrobenzene-d5	*72.4*		µg/l		*100*		*72.4*	*30-130*		
Surrogate: Phenol-d5	*90.9*		µg/l		*100*		*90.9*	*15-110*		
Surrogate: Terphenyl-d14	*111*		µg/l		*100*		*111*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*88.6*		µg/l		*100*		*88.6*	*15-110*		
LCS (6111602-BS1)										
Prepared & Analyzed: 22-Nov-06										
Acenaphthene	65.4		µg/l	5.00	100		65.4	40-130		
Acenaphthylene	96.9		µg/l	5.00	100		96.9	40-130		
Aniline	95.3		µg/l	5.00	100		95.3	40-130		
Anthracene	112		µg/l	5.00	100		112	40-130		
Atrazine	121		µg/l	5.00	100		121	0-200		
Azobenzene/Diphenyldiazine	93.3		µg/l	5.00	100		93.3	40-130		
Benzidine	6.68	QC2	µg/l	5.00	100		6.68	40-130		
Benzo (a) anthracene	85.9		µg/l	5.00	100		85.9	40-130		
Benzo (a) pyrene	95.8		µg/l	5.00	100		95.8	40-130		
Benzo (b) fluoranthene	75.7		µg/l	5.00	100		75.7	40-130		
Benzo (g,h,i) perylene	85.8		µg/l	5.00	100		85.8	40-130		
Benzo (k) fluoranthene	107		µg/l	5.00	100		107	40-130		
Benzoic acid	52.8		µg/l	5.00	100		52.8	40-130		
Benzyl alcohol	60.5		µg/l	5.00	100		60.5	40-130		
Bis(2-chloroethoxy)methane	68.1		µg/l	5.00	100		68.1	40-130		
Bis(2-chloroethyl)ether	73.0		µg/l	5.00	100		73.0	40-130		
Bis(2-chloroisopropyl)ether	80.3		µg/l	5.00	100		80.3	40-130		
Bis(2-ethylhexyl)phthalate	88.1		µg/l	5.00	100		88.1	40-130		
4-Bromophenyl phenyl ether	98.1		µg/l	5.00	100		98.1	40-130		
Butyl benzyl phthalate	82.9		µg/l	5.00	100		82.9	40-130		
Carbazole	123		µg/l	5.00	100		123	40-130		
4-Chloro-3-methylphenol	67.8		µg/l	5.00	100		67.8	40-130		
4-Chloroaniline	61.3		µg/l	5.00	100		61.3	40-130		
2-Chloronaphthalene	61.9		µg/l	5.00	100		61.9	40-130		
2-Chlorophenol	68.7		µg/l	5.00	100		68.7	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111602 - SW846 3510C										
LCS (6111602-BS1)										
Prepared & Analyzed: 22-Nov-06										
4-Chlorophenyl phenyl ether	76.4		µg/l	5.00	100		76.4	40-130		
Chrysene	86.0		µg/l	5.00	100		86.0	40-130		
Dibenzo (a,h) anthracene	90.8		µg/l	5.00	100		90.8	40-130		
Dibenzofuran	65.3		µg/l	5.00	100		65.3	40-130		
1,2-Dichlorobenzene	67.0		µg/l	5.00	100		67.0	40-130		
1,3-Dichlorobenzene	55.8		µg/l	5.00	100		55.8	40-130		
1,4-Dichlorobenzene	57.3		µg/l	5.00	100		57.3	40-130		
3,3'-Dichlorobenzidine	89.9		µg/l	5.00	100		89.9	40-130		
2,4-Dichlorophenol	64.3		µg/l	5.00	100		64.3	40-130		
Diethyl phthalate	74.9		µg/l	5.00	100		74.9	40-130		
Dimethyl phthalate	70.5		µg/l	5.00	100		70.5	40-130		
2,4-Dimethylphenol	62.4		µg/l	5.00	100		62.4	40-130		
Di-n-butyl phthalate	92.4		µg/l	5.00	100		92.4	40-130		
4,6-Dinitro-2-methylphenol	81.5		µg/l	5.00	100		81.5	40-130		
2,4-Dinitrophenol	52.4		µg/l	5.00	100		52.4	40-130		
2,4-Dinitrotoluene	68.2		µg/l	5.00	100		68.2	40-130		
2,6-Dinitrotoluene	73.2		µg/l	5.00	100		73.2	40-130		
Di-n-octyl phthalate	111		µg/l	5.00	100		111	40-130		
Fluoranthene	89.9		µg/l	5.00	100		89.9	40-130		
Fluorene	69.1		µg/l	5.00	100		69.1	40-130		
Hexachlorobenzene	90.3		µg/l	5.00	100		90.3	40-130		
Hexachlorobutadiene	62.9		µg/l	5.00	100		62.9	40-130		
Hexachlorocyclopentadiene	52.0		µg/l	5.00	100		52.0	40-130		
Hexachloroethane	65.7		µg/l	5.00	100		65.7	40-130		
Indeno (1,2,3-cd) pyrene	92.3		µg/l	5.00	100		92.3	40-130		
Isophorone	63.9		µg/l	5.00	100		63.9	40-130		
2-Methylnaphthalene	59.7		µg/l	5.00	100		59.7	40-130		
2-Methylphenol	70.2		µg/l	5.00	100		70.2	40-130		
3,4-Methylphenol	78.6		µg/l	10.0	100		78.6	40-130		
Naphthalene	64.8		µg/l	5.00	100		64.8	40-130		
2-Nitroaniline	63.0		µg/l	5.00	100		63.0	40-130		
3-Nitroaniline	66.6		µg/l	5.00	100		66.6	40-130		
4-Nitroaniline	75.8		µg/l	20.0	100		75.8	40-130		
Nitrobenzene	57.1		µg/l	5.00	100		57.1	40-130		
2-Nitrophenol	63.5		µg/l	5.00	100		63.5	40-130		
4-Nitrophenol	51.1		µg/l	20.0	100		51.1	40-130		
N-Nitrosodimethylamine	80.2		µg/l	5.00	100		80.2	40-130		
N-Nitrosodi-n-propylamine	81.7		µg/l	5.00	100		81.7	40-130		
N-Nitrosodiphenylamine	99.1		µg/l	5.00	100		99.1	40-130		
Pentachlorophenol	104		µg/l	20.0	100		104	40-130		
Phenanthrene	91.9		µg/l	5.00	100		91.9	40-130		
Phenol	71.6		µg/l	5.00	100		71.6	40-130		
Pyrene	77.2		µg/l	5.00	100		77.2	40-130		
Pyridine	58.0		µg/l	5.00	100		58.0	40-130		
1-Methylnaphthalene	66.1		µg/l	5.00	100		66.1	40-140		
1,2,4-Trichlorobenzene	57.5		µg/l	5.00	100		57.5	40-130		
2,4,5-Trichlorophenol	68.1		µg/l	5.00	100		68.1	40-130-		
2,4,6-Trichlorophenol	68.6		µg/l	5.00	100		68.6	40-130		
Surrogate: 2-Fluorobiphenyl	*78.3*		µg/l		*100*		*78.3*	*30-130*		
Surrogate: 2-Fluorophenol	*65.6*		µg/l		*100*		*65.6*	*15-110*		
Surrogate: Nitrobenzene-d5	*72.7*		µg/l		*100*		*72.7*	*30-130*		
Surrogate: Phenol-d5	*68.4*		µg/l		*100*		*68.4*	*15-110*		
Surrogate: Terphenyl-d14	*99.2*		µg/l		*100*		*99.2*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*113*	SGC	µg/l		*100*		*113*	*15-110*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111574 - SW846 3005A										
Blank (6111574-BLK1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Lead	BRL		mg/l	0.0075						
Selenium	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Barium	BRL		mg/l	0.0050						
Silver	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0040						
LCS (6111574-BS1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Selenium	0.454		mg/l	0.0150	0.500		90.8	85-115		
Lead	0.474		mg/l	0.0075	0.500		94.8	85-115		
Silver	0.481		mg/l	0.0050	0.500		96.2	85-115		
Cadmium	0.481		mg/l	0.0025	0.500		96.2	85-115		
Barium	0.542		mg/l	0.0050	0.500		108	85-115		
Arsenic	0.460		mg/l	0.0040	0.500		92.0	85-115		
Chromium	0.475		mg/l	0.0050	0.500		95.0	85-115		
LCS Dup (6111574-BSD1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Lead	0.461		mg/l	0.0075	0.500		92.2	85-115	2.78	20
Selenium	0.445		mg/l	0.0150	0.500		89.0	85-115	2.00	20
Silver	0.482		mg/l	0.0050	0.500		96.4	85-115	0.208	20
Cadmium	0.469		mg/l	0.0025	0.500		93.8	85-115	2.53	20
Arsenic	0.449		mg/l	0.0040	0.500		89.8	85-115	2.42	20
Barium	0.528		mg/l	0.0050	0.500		106	85-115	2.62	20
Chromium	0.466		mg/l	0.0050	0.500		93.2	85-115	1.91	20
Duplicate (6111574-DUP1) Source: SA54454-15										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Selenium	BRL		mg/l	0.0150		BRL				20
Lead	BRL		mg/l	0.0075		BRL				20
Silver	0.0013	J	mg/l	0.0050		BRL				20
Cadmium	BRL		mg/l	0.0025		BRL				20
Barium	BRL		mg/l	0.0050		BRL				20
Arsenic	BRL		mg/l	0.0040		BRL				20
Chromium	0.0020	J	mg/l	0.0050		BRL				20
Matrix Spike (6111574-MS1) Source: SA54455-12										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Selenium	0.464		mg/l	0.0150	0.500	BRL	92.8	75-125		
Lead	0.485		mg/l	0.0075	0.500	BRL	97.0	75-125		
Cadmium	0.493		mg/l	0.0025	0.500	BRL	98.6	75-125		
Chromium	0.486		mg/l	0.0050	0.500	BRL	97.2	75-125		
Barium	0.554		mg/l	0.0050	0.500	BRL	111	75-125		
Arsenic	0.474		mg/l	0.0040	0.500	BRL	94.8	75-125		
Silver	0.507		mg/l	0.0050	0.500	BRL	101	75-125		
Matrix Spike Dup (6111574-MSD1) Source: SA54455-12										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Selenium	0.446		mg/l	0.0150	0.500	BRL	89.2	75-125	3.96	20
Lead	0.465		mg/l	0.0075	0.500	BRL	93.0	75-125	4.21	20
Cadmium	0.470		mg/l	0.0025	0.500	BRL	94.0	75-125	4.78	20
Chromium	0.462		mg/l	0.0050	0.500	BRL	92.4	75-125	5.06	20
Arsenic	0.450		mg/l	0.0040	0.500	BRL	90.0	75-125	5.19	20

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111574 - SW846 3005A										
Matrix Spike Dup (6111574-MSD1) Source: SA54455-12										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Barium	0.524		mg/l	0.0050	0.500	BRL	105	75-125	5.57	20
Silver	0.478		mg/l	0.0050	0.500	BRL	95.6	75-125	5.89	20
Post Spike (6111574-PS1) Source: SA54455-12										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Lead	0.473		mg/l	0.0075	0.500	BRL	94.6	80-120		
Selenium	0.454		mg/l	0.0150	0.500	BRL	90.8	80-120		
Cadmium	0.478		mg/l	0.0025	0.500	BRL	95.6	80-120		
Barium	0.536		mg/l	0.0050	0.500	BRL	107	80-120		
Chromium	0.465		mg/l	0.0050	0.500	BRL	93.0	80-120		
Arsenic	0.460		mg/l	0.0040	0.500	BRL	92.0	80-120		
Silver	0.568		mg/l	0.0050	0.500	BRL	114	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111575 - EPA200/SW7000 Series										
Blank (6111575-BLK1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Mercury	BRL		mg/l	0.00020						
LCS (6111575-BS1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Mercury	0.00228		mg/l	0.00020	0.00250		91.2	80-120		
Duplicate (6111575-DUP1) Source: SA54454-15										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (6111575-MS1) Source: SA54455-12										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Mercury	0.00223		mg/l	0.00020	0.00250	BRL	89.2	75-125		
Matrix Spike Dup (6111575-MSD1) Source: SA54455-12										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Mercury	0.00228		mg/l	0.00020	0.00250	BRL	91.2	75-125	2.22	20
Post Spike (6111575-PS1) Source: SA54455-12										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Mercury	0.00234		mg/l	0.00020	0.00250	BRL	93.6	75-125		

Notes and Definitions

FP	Field Preserved
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
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.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

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 samples prior to analysis. Percent recoveries are calculated for each surrogate.

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

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name:	Spectrum Analytical, Inc. - Agawam, MA	Project Name and Number:	
Project Location:	Busway Project-327 Main St-CT	Busway Project-327 Main St-CT/ 171-305	
This Form Provides certifications for the following data set: SA54484-01 SA54484-02 SA54484-03 SA54484-04		List Specific Analytical Methods Used: +CT ETPH EPA 245.1/7470A SW846 6010B SW846 8081A SW846 8082 SW846 8260B SW846 8270C	
Sample Matrices: Aqueous			

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☐ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

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

Date: 11/29/2006

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

* Reportable Detection Limit BRL = Below Reporting Limit

SA 54484 OM

SPECTRUM ANALYTICAL, INC.
Formerly
HANSBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Project Mgr.: D. Stock - MDT

Invoice To: CTDOT - DAS Contract
c/o LES
P.O. No.: _____ RQN: _____

Project No.: 171-305
Site Name: Busway Project
Location: Newington Junction State: CT
Sampler(s): C. Knight / C. Crescenzo

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Blank Water X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other _____

State specific reporting standards: CTDEP SWPC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs - 8260	CT ETPH	SVOCs + Pesticides + 8082	PCBs - 8082	Total RCRA Metals			
54484-01	MW-1	11-19-06		G	GW		3	4		1		X	X	X	X	X			
02	MW-2	↓		↓	↓		↓	↓		↓		↓	↓	↓	↓	↓			
03	MW-3																		
04	TB-1				X1		1												

☐ Fax results when available to (____) _____
☒ E-mail to ck@logicalenvironmental.com
EDD Format PDF
Condition upon receipt: ☐ Iced ☐ Ambient (☐ °C) 7.1

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11-2006	1045
[signature]	[signature]	11/20/06	16:05

Gw 4 CLR

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1 SA54543-13	171-305	Blank Water	20-Nov-06 00:00	21-Nov-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Frec 113)	BRL		µg/l	1.0	1	SW846 8260B	28-Nov-06	29-Nov-06	6111851	jro
67-64-1	Acetone	BRL		µg/l	20.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1 SA54543-13	171-305	Blank Water	20-Nov-06 00:00	21-Nov-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	SW846 8260B	28-Nov-06	29-Nov-06	6111851	jro
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93.7*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*92.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*97.7*		*70-130 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 6010B	28-Nov-06	29-Nov-06	6111663	LR
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	"
7440-39-3	Barium	BRL		mg/l	0.0050	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	28-Nov-06	29-Nov-06	6111664	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-2 SA54543-14	171-305	Blank Water	20-Nov-06 00:00	21-Nov-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Frec 113)	BRL		µg/l	1.0	1	SW846 8260B	30-Nov-06	01-Dec-06	6120042	jro
67-64-1	Acetone	BRL		µg/l	20.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-2	171-305	Blank Water	20-Nov-06 00:00	21-Nov-06
SA54543-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	SW846 8260B	30-Nov-06	01-Dec-06	6120042	jro
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	2.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92.7*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*97.3*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*79.3*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*92.3*		*70-130 %*			"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111767 - SW846 5035A Soil (low level)										
Blank (6111767-BLK1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	100						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111767 - SW846 5035A Soil (low level)										
Blank (6111767-BLK1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*53.7*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*47.1*		µg/kg wet		*50.0*		*94.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.4*		µg/kg wet		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*56.4*		µg/kg wet		*50.0*		*113*	*70-130*		
LCS (6111767-BS1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.6		µg/kg wet		20.0		118	70-130		
Acetone	3.9		µg/kg wet		20.0		19.5	3.31-159		
Acrylonitrile	14.7		µg/kg wet		20.0		73.5	70-130		
Benzene	19.6		µg/kg wet		20.0		98.0	70-130		
Bromobenzene	21.5		µg/kg wet		20.0		108	70-130		
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromodichloromethane	22.0		µg/kg wet		20.0		110	70-130		
Bromoform	23.6		µg/kg wet		20.0		118	70-130		
Bromomethane	20.6		µg/kg wet		20.0		103	50-140		
2-Butanone (MEK)	16.1		µg/kg wet		20.0		80.5	47.7-127		
n-Butylbenzene	19.5		µg/kg wet		20.0		97.5	70-130		
sec-Butylbenzene	23.0		µg/kg wet		20.0		115	70-130		
tert-Butylbenzene	23.4		µg/kg wet		20.0		117	70-130		
Carbon disulfide	19.7		µg/kg wet		20.0		98.5	70-130		
Carbon tetrachloride	21.0		µg/kg wet		20.0		105	70-130		
Chlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
Chloroethane	20.4		µg/kg wet		20.0		102	55.9-135		
Chloroform	19.7		µg/kg wet		20.0		98.5	70-130		
Chloromethane	17.5		µg/kg wet		20.0		87.5	70-130		
2-Chlorotoluene	22.8		µg/kg wet		20.0		114	70-130		
4-Chlorotoluene	22.1		µg/kg wet		20.0		110	70-130		
1,2-Dibromo-3-chloropropane	19.0		µg/kg wet		20.0		95.0	70-130		
Dibromochloromethane	20.4		µg/kg wet		20.0		102	72-125		
1,2-Dibromoethane (EDB)	21.1		µg/kg wet		20.0		106	70-130		
Dibromomethane	18.8		µg/kg wet		20.0		94.0	70-130		
1,2-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111767 - SW846 5035A Soil (low level)										
LCS (6111767-BS1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
1,3-Dichlorobenzene	22.8		µg/kg wet		20.0		114	70-130		
1,4-Dichlorobenzene	19.5		µg/kg wet		20.0		97.5	70-130		
Dichlorodifluoromethane (Freon12)	20.6		µg/kg wet		20.0		103	42.3-190		
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99.0	70-130		
1,2-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130		
cis-1,2-Dichloroethene	19.7		µg/kg wet		20.0		98.5	70-130		
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	19.7		µg/kg wet		20.0		98.5	70-130		
1,3-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130		
2,2-Dichloropropane	19.9		µg/kg wet		20.0		99.5	70-130		
1,1-Dichloropropene	21.3		µg/kg wet		20.0		106	70-130		
cis-1,3-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130		
trans-1,3-Dichloropropene	21.3		µg/kg wet		20.0		106	70-130		
Ethylbenzene	20.9		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	20.9		µg/kg wet		20.0		104	70-137		
2-Hexanone (MBK)	14.5		µg/kg wet		20.0		72.5	70-130		
Isopropylbenzene	21.5		µg/kg wet		20.0		108	70-130		
4-Isopropyltoluene	20.1		µg/kg wet		20.0		100	70-130		
Methyl tert-butyl ether	19.9		µg/kg wet		20.0		99.5	70-130		
4-Methyl-2-pentanone (MIBK)	20.1		µg/kg wet		20.0		100	48.5-127		
Methylene chloride	20.4		µg/kg wet		20.0		102	70-130		
Naphthalene	22.4		µg/kg wet		20.0		112	70-130		
n-Propylbenzene	23.5		µg/kg wet		20.0		118	70-130		
Styrene	18.7		µg/kg wet		20.0		93.5	70-130		
1,1,1,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130		
Tetrachloroethene	19.2		µg/kg wet		20.0		96.0	70-130		
Toluene	18.9		µg/kg wet		20.0		94.5	70-130		
1,2,3-Trichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,2,4-Trichlorobenzene	20.1		µg/kg wet		20.0		100	70-130		
1,1,1-Trichloroethane	21.1		µg/kg wet		20.0		106	70-130		
1,1,2-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130		
Trichloroethene	19.5		µg/kg wet		20.0		97.5	70-130		
Trichlorofluoromethane (Freon 11)	22.2		µg/kg wet		20.0		111	66.5-144		
1,2,3-Trichloropropane	22.6		µg/kg wet		20.0		113	70-130		
1,2,4-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130		
1,3,5-Trimethylbenzene	21.5		µg/kg wet		20.0		108	70-130		
Vinyl chloride	22.6		µg/kg wet		20.0		113	70-130		
m,p-Xylene	42.8		µg/kg wet		40.0		107	70-130		
o-Xylene	22.3		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	17.6		µg/kg wet		20.0		88.0	70-130		
Ethyl ether	19.0		µg/kg wet		20.0		95.0	64.9-123		
Tert-amyl methyl ether	21.3		µg/kg wet		20.0		106	70-130		
Ethyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130		
Di-isopropyl ether	17.2		µg/kg wet		20.0		86.0	70-130		
Tert-Butanol / butyl alcohol	171		µg/kg wet		200		85.5	70-130		
1,4-Dioxane	166		µg/kg wet		200		83.0	40-134		
Surrogate: 4-Bromofluorobenzene	*57.0*		µg/kg wet		*50.0*		*114*	*70-130*		
Surrogate: Toluene-d8	*48.3*		µg/kg wet		*50.0*		*96.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.0*		µg/kg wet		*50.0*		*98.0*	*70-130*		
Surrogate: Dibromofluoromethane	*52.9*		µg/kg wet		*50.0*		*106*	*70-130*		
LCS Dup (6111767-BSD1)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111767 - SW846 5035A Soil (low level)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.5		µg/kg wet		20.0		112	70-130	5.22	25
Acetone	5.4		µg/kg wet		20.0		27.0	3.31-159	32.3	50
Acrylonitrile	15.0		µg/kg wet		20.0		75.0	70-130	2.02	25
Benzene	20.1		µg/kg wet		20.0		100	70-130	2.02	25
Bromobenzene	20.0		µg/kg wet		20.0		100	70-130	7.69	25
Bromochloromethane	19.8		µg/kg wet		20.0		99.0	70-130	3.96	25
Bromodichloromethane	20.4		µg/kg wet		20.0		102	70-130	7.55	25
Bromoform	19.9		µg/kg wet		20.0		99.5	70-130	17.0	25
Bromomethane	19.7		µg/kg wet		20.0		98.5	50-140	4.47	50
2-Butanone (MEK)	15.1		µg/kg wet		20.0		75.5	47.7-127	6.41	50
n-Butylbenzene	19.4		µg/kg wet		20.0		97.0	70-130	0.514	25
sec-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	6.28	25
tert-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130	8.00	25
Carbon disulfide	19.4		µg/kg wet		20.0		97.0	70-130	1.53	25
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130	1.92	25
Chlorobenzene	19.2		µg/kg wet		20.0		96.0	70-130	8.00	25
Chloroethane	21.3		µg/kg wet		20.0		106	55.9-135	3.85	50
Chloroform	19.1		µg/kg wet		20.0		95.5	70-130	3.09	25
Chloromethane	18.3		µg/kg wet		20.0		91.5	70-130	4.47	25
2-Chlorotoluene	23.5		µg/kg wet		20.0		118	70-130	3.45	25
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	5.61	25
1,2-Dibromo-3-chloropropane	18.1		µg/kg wet		20.0		90.5	70-130	4.85	25
Dibromochloromethane	20.2		µg/kg wet		20.0		101	72-125	0.985	50
1,2-Dibromoethane (EDB)	20.4		µg/kg wet		20.0		102	70-130	3.85	25
Dibromomethane	19.6		µg/kg wet		20.0		98.0	70-130	4.17	25
1,2-Dichlorobenzene	19.5		µg/kg wet		20.0		97.5	70-130	8.35	25
1,3-Dichlorobenzene	19.8		µg/kg wet		20.0		99.0	70-130	14.1	25
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		98.5	70-130	1.02	25
Dichlorodifluoromethane (Freon12)	23.0		µg/kg wet		20.0		115	42.3-190	11.0	50
1,1-Dichloroethane	20.2		µg/kg wet		20.0		101	70-130	2.00	25
1,2-Dichloroethane	20.3		µg/kg wet		20.0		102	70-130	1.98	25
1,1-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	5.71	25
cis-1,2-Dichloroethene	20.7		µg/kg wet		20.0		104	70-130	5.43	25
trans-1,2-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130	2.96	25
1,2-Dichloropropane	19.7		µg/kg wet		20.0		98.5	70-130	0.00	25
1,3-Dichloropropane	19.8		µg/kg wet		20.0		99.0	70-130	8.70	25
2,2-Dichloropropane	18.9		µg/kg wet		20.0		94.5	70-130	5.15	25
1,1-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	2.87	25
cis-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99.0	70-130	1.01	25
trans-1,3-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130	0.00	25
Ethylbenzene	19.5		µg/kg wet		20.0		97.5	70-130	6.45	25
Hexachlorobutadiene	20.2		µg/kg wet		20.0		101	70-137	2.93	50
2-Hexanone (MBK)	15.8		µg/kg wet		20.0		79.0	70-130	8.58	25
Isopropylbenzene	19.9		µg/kg wet		20.0		99.5	70-130	8.19	25
4-Isopropyltoluene	20.3		µg/kg wet		20.0		102	70-130	1.98	25
Methyl tert-butyl ether	19.5		µg/kg wet		20.0		97.5	70-130	2.03	25
4-Methyl-2-pentanone (MIBK)	17.4		µg/kg wet		20.0		87.0	48.5-127	13.9	50
Methylene chloride	19.1		µg/kg wet		20.0		95.5	70-130	6.58	25
Naphthalene	19.4		µg/kg wet		20.0		97.0	70-130	14.4	25
n-Propylbenzene	19.9		µg/kg wet		20.0		99.5	70-130	17.0	25
Styrene	19.6		µg/kg wet		20.0		98.0	70-130	4.70	25
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	2.84	25
1,1,2,2-Tetrachloroethane	20.5		µg/kg wet		20.0		102	70-130	1.94	25
Tetrachloroethene	19.6		µg/kg wet		20.0		98.0	70-130	2.06	25
Toluene	19.0		µg/kg wet		20.0		95.0	70-130	0.528	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111767 - SW846 5035A Soil (low level)										
LCS Dup (6111767-BSD1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
1,2,3-Trichlorobenzene	18.9		µg/kg wet		20.0		94.5	70-130	13.3	25
1,2,4-Trichlorobenzene	18.1		µg/kg wet		20.0		90.5	70-130	9.97	25
1,1,1-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130	0.939	25
1,1,2-Trichloroethane	20.2		µg/kg wet		20.0		101	70-130	0.985	25
Trichloroethene	20.1		µg/kg wet		20.0		100	70-130	2.53	25
Trichlorofluoromethane (Freon 11)	21.8		µg/kg wet		20.0		109	66.5-144	1.82	50
1,2,3-Trichloropropane	20.0		µg/kg wet		20.0		100	70-130	12.2	25
1,2,4-Trimethylbenzene	21.5		µg/kg wet		20.0		108	70-130	1.83	25
1,3,5-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	6.70	25
Vinyl chloride	22.0		µg/kg wet		20.0		110	70-130	2.69	25
m,p-Xylene	39.1		µg/kg wet		40.0		97.8	70-130	8.98	25
o-Xylene	20.8		µg/kg wet		20.0		104	70-130	7.41	25
Tetrahydrofuran	16.8		µg/kg wet		20.0		84.0	70-130	4.65	25
Ethyl ether	20.2		µg/kg wet		20.0		101	64.9-123	6.12	50
Tert-amyl methyl ether	18.9		µg/kg wet		20.0		94.5	70-130	11.5	25
Ethyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	1.98	25
Di-isopropyl ether	17.4		µg/kg wet		20.0		87.0	70-130	1.16	25
Tert-Butanol / butyl alcohol	181		µg/kg wet		200		90.5	70-130	5.68	25
1,4-Dioxane	200		µg/kg wet		200		100	40-134	18.6	25
Surrogate: 4-Bromofluorobenzene	*51.3*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/kg wet		*50.0*		*97.0*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/kg wet		*50.0*		*103*	*70-130*		
Batch 6111851 - SW846 5030 Water MS										
Blank (6111851-BLK1)										
Prepared & Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	20.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111851 - SW846 5030 Water MS										
Blank (6111851-BLK1)										
Prepared & Analyzed: 28-Nov-06										
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*29.0*		µg/l		*30.0*		*96.7*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/l		*30.0*		*93.7*	*70-130*		
Surrogate: Dibromofluoromethane	*29.4*		µg/l		*30.0*		*98.0*	*70-130*		
LCS (6111851-BS1)										
Prepared & Analyzed: 28-Nov-06										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111851 - SW846 5030 Water MS										
LCS (6111851-BS1)										
Prepared & Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/l		20.0		102	70-130		
Acetone	24.7		µg/l		20.0		124	29.5-156		
Acrylonitrile	28.0	QC1	µg/l		20.0		140	70-130		
Benzene	21.9		µg/l		20.0		110	70-130		
Bromobenzene	20.8		µg/l		20.0		104	70-130		
Bromochloromethane	24.3		µg/l		20.0		122	70-130		
Bromodichloromethane	22.9		µg/l		20.0		114	70-130		
Bromoform	17.4		µg/l		20.0		87.0	70-130		
Bromomethane	21.3		µg/l		20.0		106	57.7-151		
2-Butanone (MEK)	22.6		µg/l		20.0		113	48.9-134		
n-Butylbenzene	17.6		µg/l		20.0		88.0	70-130		
sec-Butylbenzene	19.3		µg/l		20.0		96.5	70-130		
tert-Butylbenzene	20.3		µg/l		20.0		102	70-130		
Carbon disulfide	21.3		µg/l		20.0		106	70-130		
Carbon tetrachloride	18.9		µg/l		20.0		94.5	70-130		
Chlorobenzene	21.6		µg/l		20.0		108	70-130		
Chloroethane	23.3		µg/l		20.0		116	56.9-145		
Chloroform	23.4		µg/l		20.0		117	70-130		
Chloromethane	20.6		µg/l		20.0		103	70-130		
2-Chlorotoluene	19.6		µg/l		20.0		98.0	70-130		
4-Chlorotoluene	19.8		µg/l		20.0		99.0	70-130		
1,2-Dibromo-3-chloropropane	16.0		µg/l		20.0		80.0	70-130		
Dibromochloromethane	19.2		µg/l		20.0		96.0	61.5-142		
1,2-Dibromoethane (EDB)	24.3		µg/l		20.0		122	70-130		
Dibromomethane	24.1		µg/l		20.0		120	70-130		
1,2-Dichlorobenzene	21.7		µg/l		20.0		108	70-130		
1,3-Dichlorobenzene	21.3		µg/l		20.0		106	70-130		
1,4-Dichlorobenzene	21.7		µg/l		20.0		108	70-130		
Dichlorodifluoromethane (Freon12)	18.4		µg/l		20.0		92.0	36.6-187		
1,1-Dichloroethane	23.1		µg/l		20.0		116	70-130		
1,2-Dichloroethane	22.6		µg/l		20.0		113	70-130		
1,1-Dichloroethene	21.8		µg/l		20.0		109	70-130		
cis-1,2-Dichloroethene	26.4	QC1	µg/l		20.0		132	70-130		
trans-1,2-Dichloroethene	22.0		µg/l		20.0		110	70-130		
1,2-Dichloropropane	23.9		µg/l		20.0		120	70-130		
1,3-Dichloropropane	23.2		µg/l		20.0		116	70-130		
2,2-Dichloropropane	17.8		µg/l		20.0		89.0	70-130		
1,1-Dichloropropene	19.0		µg/l		20.0		95.0	70-130		
cis-1,3-Dichloropropene	24.4		µg/l		20.0		122	70-130		
trans-1,3-Dichloropropene	22.8		µg/l		20.0		114	70-130		
Ethylbenzene	19.7		µg/l		20.0		98.5	70-130		
Hexachlorobutadiene	20.5		µg/l		20.0		102	68.7-142		
2-Hexanone (MBK)	20.8		µg/l		20.0		104	56.3-131		
Isopropylbenzene	18.8		µg/l		20.0		94.0	70-130		
4-Isopropyltoluene	20.7		µg/l		20.0		104	70-130		
Methyl tert-butyl ether	23.4		µg/l		20.0		117	70-130		
4-Methyl-2-pentanone (MIBK)	21.9		µg/l		20.0		110	55.2-129		
Methylene chloride	24.4		µg/l		20.0		122	70-130		
Naphthalene	16.1		µg/l		20.0		80.5	70-130		
n-Propylbenzene	18.9		µg/l		20.0		94.5	70-130		
Styrene	22.1		µg/l		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	22.3		µg/l		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	21.9		µg/l		20.0		110	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111851 - SW846 5030 Water MS										
LCS (6111851-BS1)										
Prepared & Analyzed: 28-Nov-06										
Tetrachloroethene	19.5		µg/l		20.0		97.5	70-130		
Toluene	21.0		µg/l		20.0		105	70-130		
1,2,3-Trichlorobenzene	19.0		µg/l		20.0		95.0	70-130		
1,2,4-Trichlorobenzene	19.0		µg/l		20.0		95.0	70-130		
1,1,1-Trichloroethane	19.1		µg/l		20.0		95.5	70-130		
1,1,2-Trichloroethane	24.6		µg/l		20.0		123	70-130		
Trichloroethene	22.0		µg/l		20.0		110	70-130		
Trichlorofluoromethane (Freon 11)	18.6		µg/l		20.0		93.0	68-148		
1,2,3-Trichloropropane	23.0		µg/l		20.0		115	70-130		
1,2,4-Trimethylbenzene	20.0		µg/l		20.0		100	70-130		
1,3,5-Trimethylbenzene	19.7		µg/l		20.0		98.5	70-130		
Vinyl chloride	20.6		µg/l		20.0		103	70-130		
m,p-Xylene	41.8		µg/l		40.0		104	70-130		
o-Xylene	22.4		µg/l		20.0		112	70-130		
Tetrahydrofuran	21.0		µg/l		20.0		105	70-130		
Ethyl ether	26.5		µg/l		20.0		132	57.6-132		
Tert-amyl methyl ether	24.3		µg/l		20.0		122	70-130		
Ethyl tert-butyl ether	24.9		µg/l		20.0		124	70-130		
Di-isopropyl ether	23.7		µg/l		20.0		118	70-130		
Tert-Butanol / butyl alcohol	221		µg/l		200		110	70-130		
1,4-Dioxane	241		µg/l		200		120	45.2-132		
Surrogate: 4-Bromofluorobenzene	*28.6*		µg/l		*30.0*		*95.3*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.8*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*32.6*		µg/l		*30.0*		*109*	*70-130*		
LCS Dup (6111851-BSD1)										
Prepared & Analyzed: 28-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.4		µg/l		20.0		122	70-130	17.9	25
Acetone	20.0		µg/l		20.0		100	29.5-156	21.4	50
Acrylonitrile	23.2		µg/l		20.0		116	70-130	18.8	25
Benzene	21.8		µg/l		20.0		109	70-130	0.913	25
Bromobenzene	20.8		µg/l		20.0		104	70-130	0.00	25
Bromochloromethane	22.3		µg/l		20.0		112	70-130	8.55	25
Bromodichloromethane	21.4		µg/l		20.0		107	70-130	6.33	25
Bromoform	16.9		µg/l		20.0		84.5	70-130	2.92	25
Bromomethane	21.1		µg/l		20.0		106	57.7-151	0.00	50
2-Butanone (MEK)	13.3	QC1	µg/l		20.0		66.5	48.9-134	51.8	50
n-Butylbenzene	19.1		µg/l		20.0		95.5	70-130	8.17	25
sec-Butylbenzene	22.2		µg/l		20.0		111	70-130	14.0	25
tert-Butylbenzene	22.6		µg/l		20.0		113	70-130	10.2	25
Carbon disulfide	28.2	QC1	µg/l		20.0		141	70-130	28.3	25
Carbon tetrachloride	21.1		µg/l		20.0		106	70-130	11.5	25
Chlorobenzene	21.8		µg/l		20.0		109	70-130	0.922	25
Chloroethane	23.6		µg/l		20.0		118	56.9-145	1.71	50
Chloroform	22.3		µg/l		20.0		112	70-130	4.37	25
Chloromethane	20.8		µg/l		20.0		104	70-130	0.966	25
2-Chlorotoluene	20.0		µg/l		20.0		100	70-130	2.02	25
4-Chlorotoluene	20.6		µg/l		20.0		103	70-130	3.96	25
1,2-Dibromo-3-chloropropane	15.4		µg/l		20.0		77.0	70-130	3.82	25
Dibromochloromethane	17.3		µg/l		20.0		86.5	61.5-142	10.4	50
1,2-Dibromoethane (EDB)	21.0		µg/l		20.0		105	70-130	15.0	25
Dibromomethane	20.6		µg/l		20.0		103	70-130	15.2	25
1,2-Dichlorobenzene	21.5		µg/l		20.0		108	70-130	0.00	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111851 - SW846 5030 Water MS										
LCS Dup (6111851-BSD1)										
Prepared & Analyzed: 28-Nov-06										
1,3-Dichlorobenzene	21.6		µg/l		20.0		108	70-130	1.87	25
1,4-Dichlorobenzene	21.1		µg/l		20.0		106	70-130	1.87	25
Dichlorodifluoromethane (Freon12)	21.4		µg/l		20.0		107	36.6-187	15.1	50
1,1-Dichloroethane	22.6		µg/l		20.0		113	70-130	2.62	25
1,2-Dichloroethane	19.4		µg/l		20.0		97.0	70-130	15.2	25
1,1-Dichloroethene	25.0		µg/l		20.0		125	70-130	13.7	25
cis-1,2-Dichloroethene	25.3		µg/l		20.0		126	70-130	4.65	25
trans-1,2-Dichloroethene	22.7		µg/l		20.0		114	70-130	3.57	25
1,2-Dichloropropane	22.4		µg/l		20.0		112	70-130	6.90	25
1,3-Dichloropropane	20.4		µg/l		20.0		102	70-130	12.8	25
2,2-Dichloropropane	18.3		µg/l		20.0		91.5	70-130	2.77	25
1,1-Dichloropropene	21.8		µg/l		20.0		109	70-130	13.7	25
cis-1,3-Dichloropropene	21.7		µg/l		20.0		108	70-130	12.2	25
trans-1,3-Dichloropropene	20.0		µg/l		20.0		100	70-130	13.1	25
Ethylbenzene	21.2		µg/l		20.0		106	70-130	7.33	25
Hexachlorobutadiene	22.2		µg/l		20.0		111	68.7-142	8.45	50
2-Hexanone (MBK)	16.4		µg/l		20.0		82.0	56.3-131	23.7	25
Isopropylbenzene	20.7		µg/l		20.0		104	70-130	10.1	25
4-Isopropyltoluene	22.5		µg/l		20.0		112	70-130	7.41	25
Methyl tert-butyl ether	20.4		µg/l		20.0		102	70-130	13.7	25
4-Methyl-2-pentanone (MIBK)	18.8		µg/l		20.0		94.0	55.2-129	15.7	50
Methylene chloride	20.8		µg/l		20.0		104	70-130	15.9	25
Naphthalene	14.5		µg/l		20.0		72.5	70-130	10.5	25
n-Propylbenzene	21.2		µg/l		20.0		106	70-130	11.5	25
Styrene	22.7		µg/l		20.0		114	70-130	3.57	25
1,1,1,2-Tetrachloroethane	23.0		µg/l		20.0		115	70-130	2.64	25
1,1,2,2-Tetrachloroethane	19.7		µg/l		20.0		98.5	70-130	11.0	25
Tetrachloroethene	20.6		µg/l		20.0		103	70-130	5.49	25
Toluene	20.9		µg/l		20.0		104	70-130	0.957	25
1,2,3-Trichlorobenzene	18.0		µg/l		20.0		90.0	70-130	5.41	25
1,2,4-Trichlorobenzene	18.5		µg/l		20.0		92.5	70-130	2.67	25
1,1,1-Trichloroethane	20.6		µg/l		20.0		103	70-130	7.56	25
1,1,2-Trichloroethane	21.7		µg/l		20.0		108	70-130	13.0	25
Trichloroethene	22.3		µg/l		20.0		112	70-130	1.80	25
Trichlorofluoromethane (Freon 11)	23.1		µg/l		20.0		116	68-148	22.0	50
1,2,3-Trichloropropane	21.6		µg/l		20.0		108	70-130	6.28	25
1,2,4-Trimethylbenzene	20.1		µg/l		20.0		100	70-130	0.00	25
1,3,5-Trimethylbenzene	21.0		µg/l		20.0		105	70-130	6.39	25
Vinyl chloride	23.9		µg/l		20.0		120	70-130	15.2	25
m,p-Xylene	45.6		µg/l		40.0		114	70-130	9.17	25
o-Xylene	23.4		µg/l		20.0		117	70-130	4.37	25
Tetrahydrofuran	18.3		µg/l		20.0		91.5	70-130	13.7	25
Ethyl ether	24.0		µg/l		20.0		120	57.6-132	9.52	50
Tert-amyl methyl ether	20.7		µg/l		20.0		104	70-130	15.9	25
Ethyl tert-butyl ether	22.1		µg/l		20.0		110	70-130	12.0	25
Di-isopropyl ether	21.2		µg/l		20.0		106	70-130	10.7	25
Tert-Butanol / butyl alcohol	181		µg/l		200		90.5	70-130	19.5	25
1,4-Dioxane	174	QR5	µg/l		200		87.0	45.2-132	31.9	25
Surrogate: 4-Bromofluorobenzene	*28.4*		µg/l		*30.0*		*94.7*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/l		*30.0*		*99.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.5*		µg/l		*30.0*		*88.3*	*70-130*		
Surrogate: Dibromofluoromethane	*29.5*		µg/l		*30.0*		*98.3*	*70-130*		

Matrix Spike (6111851-MS1) **Source: SA54543-12**

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111851 - SW846 5030 Water MS										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Benzene	23.0		µg/l		20.0	BRL	115	70-130		
Chlorobenzene	23.4		µg/l		20.0	BRL	117	70-130		
1,1-Dichloroethene	26.2	QM7	µg/l		20.0	BRL	131	70-130		
Toluene	22.5		µg/l		20.0	BRL	112	70-130		
Trichloroethene	23.8		µg/l		20.0	BRL	119	70-130		
Surrogate: 4-Bromofluorobenzene	*28.5*		µg/l		*30.0*		*95.0*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.0*		µg/l		*30.0*		*90.0*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/l		*30.0*		*97.0*	*70-130*		
Matrix Spike Dup (6111851-MSD1) Source: SA54543-12										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Benzene	23.9		µg/l		20.0	BRL	120	70-130	4.26	30
Chlorobenzene	24.8		µg/l		20.0	BRL	124	70-130	5.81	30
1,1-Dichloroethene	27.0	QM7	µg/l		20.0	BRL	135	70-130	3.01	30
Toluene	23.8		µg/l		20.0	BRL	119	70-130	6.06	30
Trichloroethene	24.4		µg/l		20.0	BRL	122	70-130	2.49	30
Surrogate: 4-Bromofluorobenzene	*28.7*		µg/l		*30.0*		*95.7*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/l		*30.0*		*93.7*	*70-130*		
Surrogate: Dibromofluoromethane	*29.3*		µg/l		*30.0*		*97.7*	*70-130*		
Batch 6120042 - SW846 5030 Water MS										
Blank (6120042-BLK1)										
Prepared & Analyzed: 01-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	20.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120042 - SW846 5030 Water MS										
Blank (6120042-BLK1)										
Prepared & Analyzed: 01-Dec-06										
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*27.9*		µg/l		*30.0*		*93.0*	*70-130*		
Surrogate: Toluene-d8	*29.3*		µg/l		*30.0*		*97.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.4*		µg/l		*30.0*		*84.7*	*70-130*		
Surrogate: Dibromofluoromethane	*28.2*		µg/l		*30.0*		*94.0*	*70-130*		
LCS (6120042-BS1)										
Prepared & Analyzed: 01-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.0		µg/l		20.0		120	70-130		
Acetone	19.4		µg/l		20.0		97.0	29.5-156		
Acrylonitrile	22.1		µg/l		20.0		110	70-130		
Benzene	20.3		µg/l		20.0		102	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120042 - SW846 5030 Water MS										
LCS (6120042-BS1)										
Prepared & Analyzed: 01-Dec-06										
Bromobenzene	19.2		µg/l		20.0		96.0	70-130		
Bromochloromethane	20.1		µg/l		20.0		100	70-130		
Bromodichloromethane	19.4		µg/l		20.0		97.0	70-130		
Bromoform	15.4		µg/l		20.0		77.0	70-130		
Bromomethane	19.6		µg/l		20.0		98.0	57.7-151		
2-Butanone (MEK)	15.9		µg/l		20.0		79.5	48.9-134		
n-Butylbenzene	18.6		µg/l		20.0		93.0	70-130		
sec-Butylbenzene	21.0		µg/l		20.0		105	70-130		
tert-Butylbenzene	21.2		µg/l		20.0		106	70-130		
Carbon disulfide	22.5		µg/l		20.0		112	70-130		
Carbon tetrachloride	18.5		µg/l		20.0		92.5	70-130		
Chlorobenzene	20.7		µg/l		20.0		104	70-130		
Chloroethane	21.1		µg/l		20.0		106	56.9-145		
Chloroform	20.0		µg/l		20.0		100	70-130		
Chloromethane	18.8		µg/l		20.0		94.0	70-130		
2-Chlorotoluene	20.0		µg/l		20.0		100	70-130		
4-Chlorotoluene	19.6		µg/l		20.0		98.0	70-130		
1,2-Dibromo-3-chloropropane	14.8		µg/l		20.0		74.0	70-130		
Dibromochloromethane	15.8		µg/l		20.0		79.0	61.5-142		
1,2-Dibromoethane (EDB)	19.7		µg/l		20.0		98.5	70-130		
Dibromomethane	19.9		µg/l		20.0		99.5	70-130		
1,2-Dichlorobenzene	20.4		µg/l		20.0		102	70-130		
1,3-Dichlorobenzene	20.4		µg/l		20.0		102	70-130		
1,4-Dichlorobenzene	20.3		µg/l		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	17.5		µg/l		20.0		87.5	36.6-187		
1,1-Dichloroethane	21.1		µg/l		20.0		106	70-130		
1,2-Dichloroethane	17.6		µg/l		20.0		88.0	70-130		
1,1-Dichloroethene	23.6		µg/l		20.0		118	70-130		
cis-1,2-Dichloroethene	23.5		µg/l		20.0		118	70-130		
trans-1,2-Dichloroethene	21.7		µg/l		20.0		108	70-130		
1,2-Dichloropropane	21.2		µg/l		20.0		106	70-130		
1,3-Dichloropropane	19.3		µg/l		20.0		96.5	70-130		
2,2-Dichloropropane	18.5		µg/l		20.0		92.5	70-130		
1,1-Dichloropropene	20.4		µg/l		20.0		102	70-130		
cis-1,3-Dichloropropene	20.6		µg/l		20.0		103	70-130		
trans-1,3-Dichloropropene	19.1		µg/l		20.0		95.5	70-130		
Ethylbenzene	20.2		µg/l		20.0		101	70-130		
Hexachlorobutadiene	20.3		µg/l		20.0		102	68.7-142		
2-Hexanone (MBK)	16.7		µg/l		20.0		83.5	56.3-131		
Isopropylbenzene	19.7		µg/l		20.0		98.5	70-130		
4-Isopropyltoluene	21.4		µg/l		20.0		107	70-130		
Methyl tert-butyl ether	18.7		µg/l		20.0		93.5	70-130		
4-Methyl-2-pentanone (MIBK)	17.9		µg/l		20.0		89.5	55.2-129		
Methylene chloride	20.3		µg/l		20.0		102	70-130		
Naphthalene	13.4	QC1	µg/l		20.0		67.0	70-130		
n-Propylbenzene	19.8		µg/l		20.0		99.0	70-130		
Styrene	21.4		µg/l		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	21.3		µg/l		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	20.0		µg/l		20.0		100	70-130		
Tetrachloroethene	19.4		µg/l		20.0		97.0	70-130		
Toluene	19.4		µg/l		20.0		97.0	70-130		
1,2,3-Trichlorobenzene	15.8		µg/l		20.0		79.0	70-130		
1,2,4-Trichlorobenzene	16.5		µg/l		20.0		82.5	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120042 - SW846 5030 Water MS										
LCS (6120042-BS1)										
Prepared & Analyzed: 01-Dec-06										
1,1,1-Trichloroethane	18.6		µg/l		20.0		93.0	70-130		
1,1,2-Trichloroethane	20.5		µg/l		20.0		102	70-130		
Trichloroethene	21.0		µg/l		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	20.8		µg/l		20.0		104	68-148		
1,2,3-Trichloropropane	21.1		µg/l		20.0		106	70-130		
1,2,4-Trimethylbenzene	18.4		µg/l		20.0		92.0	70-130		
1,3,5-Trimethylbenzene	19.4		µg/l		20.0		97.0	70-130		
Vinyl chloride	21.9		µg/l		20.0		110	70-130		
m,p-Xylene	42.6		µg/l		40.0		106	70-130		
o-Xylene	21.8		µg/l		20.0		109	70-130		
Tetrahydrofuran	16.7		µg/l		20.0		83.5	70-130		
Ethyl ether	21.2		µg/l		20.0		106	57.6-132		
Tert-amyl methyl ether	19.1		µg/l		20.0		95.5	70-130		
Ethyl tert-butyl ether	19.8		µg/l		20.0		99.0	70-130		
Di-isopropyl ether	19.2		µg/l		20.0		96.0	70-130		
Tert-Butanol / butyl alcohol	183		µg/l		200		91.5	70-130		
1,4-Dioxane	194		µg/l		200		97.0	45.2-132		
Surrogate: 4-Bromofluorobenzene	*28.3*		µg/l		*30.0*		*94.3*	*70-130*		
Surrogate: Toluene-d8	*29.0*		µg/l		*30.0*		*96.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/l		*30.0*		*83.3*	*70-130*		
Surrogate: Dibromofluoromethane	*28.6*		µg/l		*30.0*		*95.3*	*70-130*		
LCS Dup (6120042-BSD1)										
Prepared & Analyzed: 01-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.2		µg/l		20.0		111	70-130	7.79	25
Acetone	23.9		µg/l		20.0		120	29.5-156	21.2	50
Acrylonitrile	25.7		µg/l		20.0		128	70-130	15.1	25
Benzene	20.4		µg/l		20.0		102	70-130	0.00	25
Bromobenzene	19.9		µg/l		20.0		99.5	70-130	3.58	25
Bromochloromethane	21.0		µg/l		20.0		105	70-130	4.88	25
Bromodichloromethane	19.8		µg/l		20.0		99.0	70-130	2.04	25
Bromoform	16.9		µg/l		20.0		84.5	70-130	9.29	25
Bromomethane	19.2		µg/l		20.0		96.0	57.7-151	2.06	50
2-Butanone (MEK)	18.8		µg/l		20.0		94.0	48.9-134	16.7	50
n-Butylbenzene	17.8		µg/l		20.0		89.0	70-130	4.40	25
sec-Butylbenzene	21.4		µg/l		20.0		107	70-130	1.89	25
tert-Butylbenzene	21.6		µg/l		20.0		108	70-130	1.87	25
Carbon disulfide	20.7		µg/l		20.0		104	70-130	7.41	25
Carbon tetrachloride	17.7		µg/l		20.0		88.5	70-130	4.42	25
Chlorobenzene	21.6		µg/l		20.0		108	70-130	3.77	25
Chloroethane	22.1		µg/l		20.0		110	56.9-145	3.70	50
Chloroform	20.2		µg/l		20.0		101	70-130	0.995	25
Chloromethane	20.2		µg/l		20.0		101	70-130	7.18	25
2-Chlorotoluene	21.1		µg/l		20.0		106	70-130	5.83	25
4-Chlorotoluene	20.2		µg/l		20.0		101	70-130	3.02	25
1,2-Dibromo-3-chloropropane	16.7		µg/l		20.0		83.5	70-130	12.1	25
Dibromochloromethane	17.2		µg/l		20.0		86.0	61.5-142	8.48	50
1,2-Dibromoethane (EDB)	22.4		µg/l		20.0		112	70-130	12.8	25
Dibromomethane	21.3		µg/l		20.0		106	70-130	6.33	25
1,2-Dichlorobenzene	20.8		µg/l		20.0		104	70-130	1.94	25
1,3-Dichlorobenzene	21.4		µg/l		20.0		107	70-130	4.78	25
1,4-Dichlorobenzene	20.8		µg/l		20.0		104	70-130	1.94	25
Dichlorodifluoromethane (Freon12)	17.3		µg/l		20.0		86.5	36.6-187	1.15	50
1,1-Dichloroethane	20.3		µg/l		20.0		102	70-130	3.85	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120042 - SW846 5030 Water MS										
LCS Dup (6120042-BSD1)										
Prepared & Analyzed: 01-Dec-06										
1,2-Dichloroethane	18.4		µg/l		20.0		92.0	70-130	4.44	25
1,1-Dichloroethene	21.6		µg/l		20.0		108	70-130	8.85	25
cis-1,2-Dichloroethene	23.1		µg/l		20.0		116	70-130	1.71	25
trans-1,2-Dichloroethene	20.9		µg/l		20.0		104	70-130	3.77	25
1,2-Dichloropropane	21.6		µg/l		20.0		108	70-130	1.87	25
1,3-Dichloropropane	21.6		µg/l		20.0		108	70-130	11.2	25
2,2-Dichloropropane	18.4		µg/l		20.0		92.0	70-130	0.542	25
1,1-Dichloropropene	19.7		µg/l		20.0		98.5	70-130	3.49	25
cis-1,3-Dichloropropene	21.5		µg/l		20.0		108	70-130	4.74	25
trans-1,3-Dichloropropene	21.2		µg/l		20.0		106	70-130	10.4	25
Ethylbenzene	20.4		µg/l		20.0		102	70-130	0.985	25
Hexachlorobutadiene	20.7		µg/l		20.0		104	68.7-142	1.94	50
2-Hexanone (MBK)	18.9		µg/l		20.0		94.5	56.3-131	12.4	25
Isopropylbenzene	19.8		µg/l		20.0		99.0	70-130	0.506	25
4-Isopropyltoluene	20.7		µg/l		20.0		104	70-130	2.84	25
Methyl tert-butyl ether	20.0		µg/l		20.0		100	70-130	6.72	25
4-Methyl-2-pentanone (MIBK)	21.0		µg/l		20.0		105	55.2-129	15.9	50
Methylene chloride	22.1		µg/l		20.0		110	70-130	7.55	25
Naphthalene	15.0		µg/l		20.0		75.0	70-130	11.3	25
n-Propylbenzene	20.1		µg/l		20.0		100	70-130	1.01	25
Styrene	21.8		µg/l		20.0		109	70-130	1.85	25
1,1,1,2-Tetrachloroethane	21.8		µg/l		20.0		109	70-130	2.79	25
1,1,2,2-Tetrachloroethane	22.9		µg/l		20.0		114	70-130	13.1	25
Tetrachloroethene	19.7		µg/l		20.0		98.5	70-130	1.53	25
Toluene	20.3		µg/l		20.0		102	70-130	5.03	25
1,2,3-Trichlorobenzene	16.8		µg/l		20.0		84.0	70-130	6.13	25
1,2,4-Trichlorobenzene	17.4		µg/l		20.0		87.0	70-130	5.31	25
1,1,1-Trichloroethane	18.1		µg/l		20.0		90.5	70-130	2.72	25
1,1,2-Trichloroethane	22.8		µg/l		20.0		114	70-130	11.1	25
Trichloroethene	21.0		µg/l		20.0		105	70-130	0.00	25
Trichlorofluoromethane (Freon 11)	19.2		µg/l		20.0		96.0	68-148	8.00	50
1,2,3-Trichloropropane	24.3		µg/l		20.0		122	70-130	14.0	25
1,2,4-Trimethylbenzene	19.0		µg/l		20.0		95.0	70-130	3.21	25
1,3,5-Trimethylbenzene	19.8		µg/l		20.0		99.0	70-130	2.04	25
Vinyl chloride	21.3		µg/l		20.0		106	70-130	3.70	25
m,p-Xylene	43.6		µg/l		40.0		109	70-130	2.79	25
o-Xylene	22.6		µg/l		20.0		113	70-130	3.60	25
Tetrahydrofuran	17.2		µg/l		20.0		86.0	70-130	2.95	25
Ethyl ether	22.2		µg/l		20.0		111	57.6-132	4.61	50
Tert-amyl methyl ether	20.6		µg/l		20.0		103	70-130	7.56	25
Ethyl tert-butyl ether	21.1		µg/l		20.0		106	70-130	6.83	25
Di-isopropyl ether	20.0		µg/l		20.0		100	70-130	4.08	25
Tert-Butanol / butyl alcohol	214		µg/l		200		107	70-130	15.6	25
1,4-Dioxane	221		µg/l		200		110	45.2-132	12.6	25
Surrogate: 4-Bromofluorobenzene	*29.2*		µg/l		*30.0*		*97.3*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.8*		µg/l		*30.0*		*86.0*	*70-130*		
Surrogate: Dibromofluoromethane	*29.0*		µg/l		*30.0*		*96.7*	*70-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111679 - SW846 3545A										
Blank (6111679-BLK1)										
Prepared: 22-Nov-06 Analyzed: 28-Nov-06										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*4.62*		mg/kg wet		*3.33*		*139*	*40-140*		
LCS (6111679-BS1)										
Prepared: 22-Nov-06 Analyzed: 28-Nov-06										
C9-C36 Aliphatic Hydrocarbons	96.0		mg/kg wet	13.3	93.3		103	60-120		
Surrogate: 1-Chlorooctadecane	*4.04*		mg/kg wet		*6.67*		*60.6*	*60-120*		
Duplicate (6111679-DUP1) **Source: SA54515-08**										
Prepared: 22-Nov-06 Analyzed: 28-Nov-06										
Gasoline	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #2	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #4	BRL		mg/kg dry	17.1		BRL				50
Fuel Oil #6	BRL		mg/kg dry	17.1		BRL				50
Motor Oil	BRL		mg/kg dry	17.1		BRL				50
Aviation Fuel	BRL		mg/kg dry	17.1		BRL				50
Unidentified	BRL		mg/kg dry	17.1		BRL				50
Other Oil	BRL		mg/kg dry	17.1		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.1		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.1		BRL				50
Surrogate: 1-Chlorooctadecane	*2.47*		mg/kg dry		*2.14*		*115*	*40-140*		
Matrix Spike (6111679-MS1) **Source: SA54515-08**										
Prepared: 22-Nov-06 Analyzed: 28-Nov-06										
C9-C36 Aliphatic Hydrocarbons	94.2		mg/kg dry	14.1	98.7	BRL	95.4	50-150		
Surrogate: 1-Chlorooctadecane	*3.83*		mg/kg dry		*3.52*		*109*	*40-140*		
Matrix Spike Dup (6111679-MSD1) **Source: SA54515-08**										
Prepared: 22-Nov-06 Analyzed: 28-Nov-06										
C9-C36 Aliphatic Hydrocarbons	103		mg/kg dry	14.2	99.5	BRL	104	50-150	8.63	30
Surrogate: 1-Chlorooctadecane	*4.29*		mg/kg dry		*3.55*		*121*	*40-140*		
Batch 6111729 - SW846 3535										
Blank (6111729-BLK1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Gasoline	BRL		mg/l	0.05						
Fuel Oil #2	BRL		mg/l	0.05						
Fuel Oil #4	BRL		mg/l	0.05						
Fuel Oil #6	BRL		mg/l	0.05						
Motor Oil	BRL		mg/l	0.05						
Aviation Fuel	BRL		mg/l	0.05						
Unidentified	BRL		mg/l	0.05						
Other Oil	BRL		mg/l	0.05						
Total Petroleum Hydrocarbons	BRL		mg/l	0.05						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.05						
Surrogate: 1-Chlorooctadecane	*0.0463*		mg/l		*0.0500*		*92.6*	*40-140*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111729 - SW846 3535										
LCS (6111729-BS1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
C9-C36 Aliphatic Hydrocarbons	1.5		mg/l	0.05	1.40		107	60-120		
Surrogate: 1-Chlorooctadecane	*0.0457*		mg/l		*0.0500*		*91.4*	*60-120*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111730 - SW846 3535										
Blank (6111730-BLK1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
PCB 1016	BRL		µg/l	0.200						
PCB 1221	BRL		µg/l	0.200						
PCB 1232	BRL		µg/l	0.200						
PCB 1242	BRL		µg/l	0.200						
PCB 1248	BRL		µg/l	0.200						
PCB 1254	BRL		µg/l	0.200						
PCB 1260	BRL		µg/l	0.200						
PCB 1262	BRL		µg/l	0.200						
PCB 1268	BRL		µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.110*		µg/l		*0.200*		*55.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.180*		µg/l		*0.200*		*90.0*	*30-150*		
LCS (6111730-BS1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
PCB 1016	1.91		µg/l	0.200	2.50		76.4	40-140		
PCB 1260	2.26		µg/l	0.200	2.50		90.4	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.100*		µg/l		*0.200*		*50.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.160*		µg/l		*0.200*		*80.0*	*30-150*		
LCS Dup (6111730-BSD1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
PCB 1016	2.05		µg/l	0.200	2.50		82.0	40-140	7.07	20
PCB 1260	2.49		µg/l	0.200	2.50		99.6	40-140	9.68	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.110*		µg/l		*0.200*		*55.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.190*		µg/l		*0.200*		*95.0*	*30-150*		
Batch 6111731 - SW846 3535										
Blank (6111731-BLK1)										
Prepared & Analyzed: 27-Nov-06										
Aldrin	BRL		µg/l	0.010						
a-BHC	BRL		µg/l	0.010						
b-BHC	BRL		µg/l	0.010						
d-BHC	BRL		µg/l	0.010						
g-BHC (Lindane)	BRL		µg/l	0.010						
Chlordane	BRL		µg/l	0.050						
4,4-DDD (p,p')	BRL		µg/l	0.010						
4,4-DDE (p,p')	BRL		µg/l	0.010						
4,4-DDT (p,p')	BRL		µg/l	0.010						
Dieldrin	BRL		µg/l	0.002						
Endosulfan I	BRL		µg/l	0.010						
Endosulfan II	BRL		µg/l	0.010						
Endosulfan Sulfate	BRL		µg/l	0.010						
Endrin	BRL		µg/l	0.010						
Endrin Aldehyde	BRL		µg/l	0.010						
Heptachlor	BRL		µg/l	0.010						
Methoxychlor	BRL		µg/l	0.010						
Heptachlor Epoxide	BRL		µg/l	0.010						
Toxaphene	BRL		µg/l	0.050						
a-Chlordane	BRL		µg/l	0.010						
g-Chlordane	BRL		µg/l	0.010						
Endrin Ketone	BRL		µg/l	0.010						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0151*		µg/l		*0.0200*		*75.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0171*		µg/l		*0.0200*		*85.5*	*30-150*		
LCS (6111731-BS1)										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111731 - SW846 3535										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
Aldrin	0.018		µg/l	0.010	0.0200		90.0	40-140		
a-BHC	0.017		µg/l	0.010	0.0200		85.0	40-140		
b-BHC	0.020		µg/l	0.010	0.0200		100	40-140		
d-BHC	0.018		µg/l	0.010	0.0200		90.0	40-140		
g-BHC (Lindane)	0.018		µg/l	0.010	0.0200		90.0	40-140		
4,4-DDD (p,p')	0.016		µg/l	0.010	0.0200		80.0	40-140		
4,4-DDE (p,p')	0.019		µg/l	0.010	0.0200		95.0	40-140		
4,4-DDT (p,p')	0.019		µg/l	0.010	0.0200		95.0	40-140		
Dieldrin	0.019		µg/l	0.002	0.0200		95.0	40-140		
Endosulfan I	0.014		µg/l	0.010	0.0200		70.0	40-140		
Endosulfan II	0.020		µg/l	0.010	0.0200		100	40-140		
Endosulfan Sulfate	0.017		µg/l	0.010	0.0200		85.0	40-140		
Endrin	0.019		µg/l	0.010	0.0200		95.0	40-140		
Endrin Aldehyde	0.016		µg/l	0.010	0.0200		80.0	40-140		
Heptachlor	0.020		µg/l	0.010	0.0200		100	40-140		
Methoxychlor	0.023		µg/l	0.010	0.0200		115	40-140		
Heptachlor Epoxide	0.019		µg/l	0.010	0.0200		95.0	40-140		
a-Chlordane	0.023		µg/l	0.010	0.0200		115	40-140		
g-Chlordane	0.022		µg/l	0.010	0.0200		110	40-140		
Endrin Ketone	0.021		µg/l	0.010	0.0200		105	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00905*		µg/l		*0.0200*		*45.2*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0138*		µg/l		*0.0200*		*69.0*	*40-140*		
LCS Dup (6111731-BSD1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
Aldrin	0.017		µg/l	0.010	0.0200		85.0	40-140	5.71	20
a-BHC	0.017		µg/l	0.010	0.0200		85.0	40-140	0.00	20
b-BHC	0.019		µg/l	0.010	0.0200		95.0	40-140	5.13	20
d-BHC	0.017		µg/l	0.010	0.0200		85.0	40-140	5.71	20
g-BHC (Lindane)	0.018		µg/l	0.010	0.0200		90.0	40-140	0.00	20
4,4-DDD (p,p')	0.016		µg/l	0.010	0.0200		80.0	40-140	0.00	20
4,4-DDE (p,p')	0.018		µg/l	0.010	0.0200		90.0	40-140	5.41	20
4,4-DDT (p,p')	0.019		µg/l	0.010	0.0200		95.0	40-140	0.00	20
Dieldrin	0.018		µg/l	0.002	0.0200		90.0	40-140	5.41	20
Endosulfan I	0.014		µg/l	0.010	0.0200		70.0	40-140	0.00	20
Endosulfan II	0.018		µg/l	0.010	0.0200		90.0	40-140	10.5	20
Endosulfan Sulfate	0.017		µg/l	0.010	0.0200		85.0	40-140	0.00	20
Endrin	0.019		µg/l	0.010	0.0200		95.0	40-140	0.00	20
Endrin Aldehyde	0.017		µg/l	0.010	0.0200		85.0	40-140	6.06	20
Heptachlor	0.020		µg/l	0.010	0.0200		100	40-140	0.00	20
Methoxychlor	0.023		µg/l	0.010	0.0200		115	40-140	0.00	20
Heptachlor Epoxide	0.019		µg/l	0.010	0.0200		95.0	40-140	0.00	20
a-Chlordane	0.022		µg/l	0.010	0.0200		110	40-140	4.44	20
g-Chlordane	0.021		µg/l	0.010	0.0200		105	40-140	4.65	20
Endrin Ketone	0.020		µg/l	0.010	0.0200		100	40-140	4.88	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00899*		µg/l		*0.0200*		*45.0*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0141*		µg/l		*0.0200*		*70.5*	*40-140*		
Batch 6111734 - SW846 3545A										
Blank (6111734-BLK1)										
Prepared & Analyzed: 27-Nov-06										
PCB 1016	BRL		µg/kg wet	28.6						
PCB 1221	BRL		µg/kg wet	28.6						
PCB 1232	BRL		µg/kg wet	28.6						
PCB 1242	BRL		µg/kg wet	28.6						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111734 - SW846 3545A										
Blank (6111734-BLK1)										
Prepared & Analyzed: 27-Nov-06										
PCB 1248	BRL		µg/kg wet	28.6						
PCB 1254	BRL		µg/kg wet	28.6						
PCB 1260	BRL		µg/kg wet	28.6						
PCB 1262	BRL		µg/kg wet	28.6						
PCB 1268	BRL		µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*59.8*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.9*		µg/kg wet		*28.6*		*115*	*30-150*		
LCS (6111734-BS1)										
Prepared & Analyzed: 27-Nov-06										
PCB 1016	341		µg/kg wet	28.6	357		95.5	40-140		
PCB 1260	441		µg/kg wet	28.6	357		124	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*59.8*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*42.9*		µg/kg wet		*28.6*		*150*	*30-150*		
LCS Dup (6111734-BSD1)										
Prepared & Analyzed: 27-Nov-06										
PCB 1016	344		µg/kg wet	28.6	357		96.4	40-140	0.938	30
PCB 1260	426		µg/kg wet	28.6	357		119	40-140	4.12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*42.9*		µg/kg wet		*28.6*		*150*	*30-150*		
Duplicate (6111734-DUP1) **Source: SA54549-01**										
Prepared & Analyzed: 27-Nov-06										
PCB 1016	BRL		µg/kg dry	31.5		BRL				40
PCB 1221	BRL		µg/kg dry	31.5		BRL				40
PCB 1232	BRL		µg/kg dry	31.5		BRL				40
PCB 1242	BRL		µg/kg dry	31.5		BRL				40
PCB 1248	BRL		µg/kg dry	31.5		BRL				40
PCB 1254	BRL		µg/kg dry	31.5		BRL				40
PCB 1260	BRL		µg/kg dry	31.5		BRL				40
PCB 1262	BRL		µg/kg dry	31.5		BRL				40
PCB 1268	BRL		µg/kg dry	31.5		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.9*		µg/kg dry		*31.5*		*60.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*45.7*		µg/kg dry		*31.5*		*145*	*30-150*		
Matrix Spike (6111734-MS1) **Source: SA54549-01**										
Prepared & Analyzed: 27-Nov-06										
PCB 1016	335		µg/kg dry	31.8	397	BRL	84.4	40-140		
PCB 1260	424		µg/kg dry	31.8	397	BRL	107	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.7*		µg/kg dry		*31.8*		*65.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*44.5*		µg/kg dry		*31.8*		*140*	*30-150*		
Matrix Spike Dup (6111734-MSD1) **Source: SA54549-01**										
Prepared & Analyzed: 27-Nov-06										
PCB 1016	359		µg/kg dry	31.5	394	BRL	91.1	40-140	7.64	50
PCB 1260	448		µg/kg dry	31.5	394	BRL	114	40-140	6.33	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.6*		µg/kg dry		*31.5*		*74.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*47.3*		µg/kg dry		*31.5*		*150*	*30-150*		
Batch 6111735 - SW846 3550B										
Blank (6111735-BLK1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Aldrin	BRL		µg/kg wet	5.00						
a-BHC	BRL		µg/kg wet	5.00						
b-BHC	BRL		µg/kg wet	5.00						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111735 - SW846 3550B										
Blank (6111735-BLK1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
d-BHC	BRL		µg/kg wet	5.00						
g-BHC (Lindane)	BRL		µg/kg wet	5.00						
Chlordane	BRL		µg/kg wet	25.0						
4,4-DDD (p,p')	BRL		µg/kg wet	5.00						
4,4-DDE (p,p')	BRL		µg/kg wet	5.00						
4,4-DDT (p,p')	BRL		µg/kg wet	5.00						
Dieldrin	BRL		µg/kg wet	5.00						
Endosulfan I	BRL		µg/kg wet	5.00						
Endosulfan II	BRL		µg/kg wet	5.00						
Endosulfan Sulfate	BRL		µg/kg wet	5.00						
Endrin	BRL		µg/kg wet	5.00						
Endrin Aldehyde	BRL		µg/kg wet	5.00						
Heptachlor	BRL		µg/kg wet	5.00						
Methoxychlor	BRL		µg/kg wet	5.00						
Heptachlor Epoxide	BRL		µg/kg wet	5.00						
Toxaphene	BRL		µg/kg wet	25.0						
a-Chlordane	BRL		µg/kg wet	5.00						
g-Chlordane	BRL		µg/kg wet	5.00						
Endrin Ketone	BRL		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.52*		µg/kg wet		*10.0*		*75.2*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.6*		µg/kg wet		*10.0*		*106*	*30-150*		
LCS (6111735-BS1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Aldrin	5.67		µg/kg wet	5.00	10.0		56.7	40-140		
a-BHC	5.24		µg/kg wet	5.00	10.0		52.4	40-140		
b-BHC	6.43		µg/kg wet	5.00	10.0		64.3	40-140		
d-BHC	2.82	Z-2	µg/kg wet	5.00	10.0		28.2	40-140		
g-BHC (Lindane)	5.57		µg/kg wet	5.00	10.0		55.7	40-140		
4,4-DDD (p,p')	6.15		µg/kg wet	5.00	10.0		61.5	40-140		
4,4-DDE (p,p')	6.25		µg/kg wet	5.00	10.0		62.5	40-140		
4,4-DDT (p,p')	7.31		µg/kg wet	5.00	10.0		73.1	40-140		
Dieldrin	6.79		µg/kg wet	5.00	10.0		67.9	40-140		
Endosulfan I	4.43		µg/kg wet	5.00	10.0		44.3	40-140		
Endosulfan II	5.68		µg/kg wet	5.00	10.0		56.8	40-140		
Endosulfan Sulfate	5.07		µg/kg wet	5.00	10.0		50.7	40-140		
Endrin	6.61		µg/kg wet	5.00	10.0		66.1	40-140		
Endrin Aldehyde	8.94		µg/kg wet	5.00	10.0		89.4	40-140		
Heptachlor	6.02		µg/kg wet	5.00	10.0		60.2	40-140		
Methoxychlor	7.99		µg/kg wet	5.00	10.0		79.9	40-140		
Heptachlor Epoxide	6.46		µg/kg wet	5.00	10.0		64.6	40-140		
a-Chlordane	6.44		µg/kg wet	5.00	10.0		64.4	40-140		
g-Chlordane	6.18		µg/kg wet	5.00	10.0		61.8	40-140		
Endrin Ketone	6.12		µg/kg wet	5.00	10.0		61.2	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.0*		µg/kg wet		*10.0*		*120*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*10.2*		µg/kg wet		*10.0*		*102*	*40-140*		
LCS Dup (6111735-BSD1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Aldrin	5.38		µg/kg wet	5.00	10.0		53.8	40-140	5.25	30
a-BHC	5.29		µg/kg wet	5.00	10.0		52.9	40-140	0.950	30
b-BHC	6.51		µg/kg wet	5.00	10.0		65.1	40-140	1.24	30
d-BHC	3.02	Z-2	µg/kg wet	5.00	10.0		30.2	40-140	6.85	30
g-BHC (Lindane)	5.49		µg/kg wet	5.00	10.0		54.9	40-140	1.45	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111735 - SW846 3550B										
LCS Dup (6111735-BSD1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
4,4-DDD (p,p')	5.75		µg/kg wet	5.00	10.0		57.5	40-140	6.72	30
4,4-DDE (p,p')	5.87		µg/kg wet	5.00	10.0		58.7	40-140	6.27	30
4,4-DDT (p,p')	6.93		µg/kg wet	5.00	10.0		69.3	40-140	5.34	30
Dieldrin	6.02		µg/kg wet	5.00	10.0		60.2	40-140	12.0	30
Endosulfan I	4.01		µg/kg wet	5.00	10.0		40.1	40-140	9.95	30
Endosulfan II	5.17		µg/kg wet	5.00	10.0		51.7	40-140	9.40	30
Endosulfan Sulfate	5.84		µg/kg wet	5.00	10.0		58.4	40-140	14.1	30
Endrin	6.52		µg/kg wet	5.00	10.0		65.2	40-140	1.37	30
Endrin Aldehyde	8.70		µg/kg wet	5.00	10.0		87.0	40-140	2.72	30
Heptachlor	6.11		µg/kg wet	5.00	10.0		61.1	40-140	1.48	30
Methoxychlor	7.76		µg/kg wet	5.00	10.0		77.6	40-140	2.92	30
Heptachlor Epoxide	5.94		µg/kg wet	5.00	10.0		59.4	40-140	8.39	30
a-Chlordane	5.88		µg/kg wet	5.00	10.0		58.8	40-140	9.09	30
g-Chlordane	5.55		µg/kg wet	5.00	10.0		55.5	40-140	10.7	30
Endrin Ketone	6.16		µg/kg wet	5.00	10.0		61.6	40-140	0.651	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.4*		µg/kg wet		*10.0*		*114*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*9.00*		µg/kg wet		*10.0*		*90.0*	*40-140*		
Duplicate (6111735-DUP1) **Source: SA54543-02**										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Aldrin	BRL		µg/kg dry	7.56		BRL				30
a-BHC	BRL		µg/kg dry	7.56		BRL				30
b-BHC	BRL		µg/kg dry	7.56		BRL				30
d-BHC	BRL		µg/kg dry	7.56		BRL				30
g-BHC (Lindane)	BRL		µg/kg dry	7.56		BRL				30
Chlordane	BRL		µg/kg dry	37.8		BRL				30
4,4-DDD (p,p')	BRL		µg/kg dry	7.56		BRL				30
4,4-DDE (p,p')	BRL		µg/kg dry	7.56		BRL				30
4,4-DDT (p,p')	BRL		µg/kg dry	7.56		BRL				30
Dieldrin	BRL		µg/kg dry	7.00		BRL				30
Endosulfan I	BRL		µg/kg dry	7.56		BRL				30
Endosulfan II	BRL		µg/kg dry	7.56		BRL				30
Endosulfan Sulfate	BRL		µg/kg dry	7.56		BRL				30
Endrin	BRL		µg/kg dry	7.56		BRL				30
Endrin Aldehyde	BRL		µg/kg dry	7.56		BRL				30
Heptachlor	BRL		µg/kg dry	7.56		BRL				30
Methoxychlor	BRL		µg/kg dry	7.56		BRL				30
Heptachlor Epoxide	BRL		µg/kg dry	7.56		BRL				30
Toxaphene	BRL		µg/kg dry	37.8		BRL				30
a-Chlordane	BRL		µg/kg dry	7.56		BRL				30
g-Chlordane	BRL		µg/kg dry	7.56		BRL				30
Endrin Ketone	BRL		µg/kg dry	7.56		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.13*		µg/kg dry		*15.1*		*40.6*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.6*		µg/kg dry		*15.1*		*76.8*	*30-150*		
Matrix Spike (6111735-MS1) **Source: SA54543-02**										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Aldrin	8.04		µg/kg dry	7.50	15.0	BRL	53.6	30-150		
a-BHC	7.04		µg/kg dry	7.50	15.0	BRL	46.9	30-150		
b-BHC	9.45		µg/kg dry	7.50	15.0	BRL	63.0	30-150		
d-BHC	4.68		µg/kg dry	7.50	15.0	BRL	31.2	30-150		
g-BHC (Lindane)	8.20		µg/kg dry	7.50	15.0	BRL	54.7	30-150		
4,4-DDD (p,p')	8.31		µg/kg dry	7.50	15.0	BRL	55.4	30-150		
4,4-DDE (p,p')	8.88		µg/kg dry	7.50	15.0	BRL	59.2	30-150		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111735 - SW846 3550B										
Matrix Spike (6111735-MS1) Source: SA54543-02										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
4,4-DDT (p,p')	10.6		µg/kg dry	7.50	15.0	BRL	70.7	30-150		
Dieldrin	8.91		µg/kg dry	7.00	15.0	BRL	59.4	30-150		
Endosulfan I	6.09		µg/kg dry	7.50	15.0	BRL	40.6	30-150		
Endosulfan II	7.69		µg/kg dry	7.50	15.0	BRL	51.3	30-150		
Endosulfan Sulfate	9.34		µg/kg dry	7.50	15.0	BRL	62.3	30-150		
Endrin	9.75		µg/kg dry	7.50	15.0	BRL	65.0	30-150		
Endrin Aldehyde	9.99		µg/kg dry	7.50	15.0	BRL	66.6	30-150		
Heptachlor	9.42		µg/kg dry	7.50	15.0	BRL	62.8	30-150		
Methoxychlor	13.5		µg/kg dry	7.50	15.0	BRL	90.0	30-150		
Heptachlor Epoxide	8.78		µg/kg dry	7.50	15.0	BRL	58.5	30-150		
a-Chlordane	8.92		µg/kg dry	7.50	15.0	BRL	59.5	30-150		
g-Chlordane	7.72		µg/kg dry	7.50	15.0	BRL	51.5	30-150		
Endrin Ketone	9.58		µg/kg dry	7.50	15.0	BRL	63.9	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.46*		µg/kg dry		*15.0*		*43.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.2*		µg/kg dry		*15.0*		*94.7*	*30-150*		
Matrix Spike Dup (6111735-MSD1) Source: SA54543-02										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Aldrin	9.64		µg/kg dry	7.54	15.1	BRL	63.8	30-150	17.4	30
a-BHC	8.50		µg/kg dry	7.54	15.1	BRL	56.3	30-150	18.2	30
b-BHC	10.7		µg/kg dry	7.54	15.1	BRL	70.9	30-150	11.8	30
d-BHC	4.63		µg/kg dry	7.54	15.1	BRL	30.7	30-150	1.62	30
g-BHC (Lindane)	10.2		µg/kg dry	7.54	15.1	BRL	67.5	30-150	20.9	30
4,4-DDD (p,p')	10.4		µg/kg dry	7.54	15.1	BRL	68.9	30-150	21.7	30
4,4-DDE (p,p')	9.34		µg/kg dry	7.54	15.1	BRL	61.9	30-150	4.46	30
4,4-DDT (p,p')	11.1		µg/kg dry	7.54	15.1	BRL	73.5	30-150	3.88	30
Dieldrin	9.90		µg/kg dry	7.00	15.1	BRL	65.6	30-150	9.92	30
Endosulfan I	6.27		µg/kg dry	7.54	15.1	BRL	41.5	30-150	2.19	30
Endosulfan II	9.09		µg/kg dry	7.54	15.1	BRL	60.2	30-150	16.0	30
Endosulfan Sulfate	9.50		µg/kg dry	7.54	15.1	BRL	62.9	30-150	0.958	30
Endrin	10.6		µg/kg dry	7.54	15.1	BRL	70.2	30-150	7.69	30
Endrin Aldehyde	9.33		µg/kg dry	7.54	15.1	BRL	61.8	30-150	7.48	30
Heptachlor	11.0		µg/kg dry	7.54	15.1	BRL	72.8	30-150	14.7	30
Methoxychlor	13.1		µg/kg dry	7.54	15.1	BRL	86.8	30-150	3.62	30
Heptachlor Epoxide	10.2		µg/kg dry	7.54	15.1	BRL	67.5	30-150	14.3	30
a-Chlordane	9.54		µg/kg dry	7.54	15.1	BRL	63.2	30-150	6.03	50
g-Chlordane	8.70		µg/kg dry	7.54	15.1	BRL	57.6	30-150	11.2	50
Endrin Ketone	10.0		µg/kg dry	7.54	15.1	BRL	66.2	30-150	3.54	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.83*		µg/kg dry		*15.1*		*65.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.3*		µg/kg dry		*15.1*		*94.7*	*30-150*		
Batch 6111740 - SW846 3550B										
Blank (6111740-BLK1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	BRL		µg/kg wet	28.6						
PCB 1221	BRL		µg/kg wet	28.6						
PCB 1232	BRL		µg/kg wet	28.6						
PCB 1242	BRL		µg/kg wet	28.6						
PCB 1248	BRL		µg/kg wet	28.6						
PCB 1254	BRL		µg/kg wet	28.6						
PCB 1260	BRL		µg/kg wet	28.6						
PCB 1262	BRL		µg/kg wet	28.6						
PCB 1268	BRL		µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*54.9*	*30-150*		

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111740 - SW846 3550B										
Blank (6111740-BLK1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*69.9*	*30-150*		
LCS (6111740-BS1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	269		µg/kg wet	28.6	357		75.4	40-140		
PCB 1260	307		µg/kg wet	28.6	357		86.0	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*59.8*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*28.6*		*74.8*	*30-150*		
LCS Dup (6111740-BSD1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	249		µg/kg wet	28.6	357		69.7	40-140	7.86	30
PCB 1260	269		µg/kg wet	28.6	357		75.4	40-140	13.1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*54.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*69.9*	*30-150*		
Duplicate (6111740-DUP1) **Source: SA54549-03**										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	BRL		µg/kg dry	34.3		BRL				40
PCB 1221	BRL		µg/kg dry	34.3		BRL				40
PCB 1232	BRL		µg/kg dry	34.3		BRL				40
PCB 1242	BRL		µg/kg dry	34.3		BRL				40
PCB 1248	BRL		µg/kg dry	34.3		BRL				40
PCB 1254	BRL		µg/kg dry	34.3		BRL				40
PCB 1260	BRL		µg/kg dry	34.3		BRL				40
PCB 1262	BRL		µg/kg dry	34.3		BRL				40
PCB 1268	BRL		µg/kg dry	34.3		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.0*		µg/kg dry		*34.2*		*70.2*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*34.2*		µg/kg dry		*34.2*		*100*	*30-150*		
Matrix Spike (6111740-MS1) **Source: SA54549-03**										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	387		µg/kg dry	34.2	427	BRL	90.6	40-140		
PCB 1260	420		µg/kg dry	34.2	427	BRL	98.4	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.9*		µg/kg dry		*34.1*		*70.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*30.7*		µg/kg dry		*34.1*		*90.0*	*30-150*		
Matrix Spike Dup (6111740-MSD1) **Source: SA54549-03**										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	379		µg/kg dry	33.8	421	BRL	90.0	40-140	0.664	50
PCB 1260	408		µg/kg dry	33.8	421	BRL	96.9	40-140	1.54	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.9*		µg/kg dry		*33.7*		*65.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*30.3*		µg/kg dry		*33.7*		*89.9*	*30-150*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111678 - SW846 3545A										
Blank (6111678-BLK1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111678 - SW846 3545A										
Blank (6111678-BLK1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
2-Methylphenol	BRL		µg/kg wet	330						
3,4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*5570*		µg/kg wet		*6670*		*83.5*	*30-130*		
Surrogate: 2-Fluorophenol	*5210*		µg/kg wet		*6670*		*78.1*	*15-110*		
Surrogate: Nitrobenzene-d5	*4490*		µg/kg wet		*6670*		*67.3*	*30-130*		
Surrogate: Phenol-d5	*4810*		µg/kg wet		*6670*		*72.1*	*15-110*		
Surrogate: Terphenyl-dl4	*5480*		µg/kg wet		*6670*		*82.2*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*7000*		µg/kg wet		*6670*		*105*	*15-110*		
LCS (6111678-BS1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Acenaphthene	4800		µg/kg wet	330	6670		72.0	40-130		
Acenaphthylene	4870		µg/kg wet	330	6670		73.0	40-130		
Aniline	1020	QC2	µg/kg wet	330.	6670		15.3	40-130		
Anthracene	5380		µg/kg wet	330	6670		80.7	40-130		
Atrazine	4150		µg/kg wet	330	6670		62.2	40-130		
Azobenzene/Diphenyldiazine	3780		µg/kg wet	330	6670		56.7	40-130		
Benzidine	389	QC2	µg/kg wet	330	6670		5.83	40-130		
Benzo (a) anthracene	5150		µg/kg wet	330	6670		77.2	40-130		
Benzo (a) pyrene	5600		µg/kg wet	330	6670		84.0	40-130		
Benzo (b) fluoranthene	5580		µg/kg wet	330	6670		83.7	40-130		
Benzo (g,h,i) perylene	5990		µg/kg wet	330	6670		89.8	40-130		
Benzo (k) fluoranthene	6920		µg/kg wet	330	6670		104	40-130		
Benzoic acid	2950		µg/kg wet	330	6670		44.2	40-130		
Benzyl alcohol	4960		µg/kg wet	330	6670		74.4	40-130		
Bis(2-chloroethoxy)methane	4960		µg/kg wet	330	6670		74.4	40-130		
Bis(2-chloroethyl)ether	3450		µg/kg wet	330	6670		51.7	40-130		
Bis(2-chloroisopropyl)ether	5610		µg/kg wet	330	6670		84.1	40-130		
Bis(2-ethylhexyl)phthalate	4580		µg/kg wet	330	6670		68.7	40-130		
4-Bromophenyl phenyl ether	6500		µg/kg wet	330	6670		97.5	40-130		
Butyl benzyl phthalate	4490		µg/kg wet	330	6670		67.3	40-130		
Carbazole	5510		µg/kg wet	330	6670		82.6	40-130		
4-Chloro-3-methylphenol	5390		µg/kg wet	330	6670		80.8	40-130		
4-Chloroaniline	1700	QC2	µg/kg wet	330	6670		25.5	40-130		
2-Chloronaphthalene	4600		µg/kg wet	330	6670		69.0	40-130		
2-Chlorophenol	4850		µg/kg wet	330	6670		72.7	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111678 - SW846 3545A										
LCS (6111678-BS1)										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
4-Chlorophenyl phenyl ether	5700		µg/kg wet	330	6670		85.5	40-130		
Chrysene	5520		µg/kg wet	330	6670		82.8	40-130		
Dibenzo (a,h) anthracene	6160		µg/kg wet	330	6670		92.4	40-130		
Dibenzofuran	4710		µg/kg wet	330	6670		70.6	40-130		
1,2-Dichlorobenzene	4750		µg/kg wet	330	6670		71.2	40-130		
1,3-Dichlorobenzene	4580		µg/kg wet	330	6670		68.7	40-130		
1,4-Dichlorobenzene	4690		µg/kg wet	330	6670		70.3	40-130		
3,3'-Dichlorobenzidine	2770		µg/kg wet	330	6670		41.5	40-130		
2,4-Dichlorophenol	5440		µg/kg wet	330	6670		81.6	40-130		
Diethyl phthalate	5020		µg/kg wet	330	6670		75.3	40-130		
Dimethyl phthalate	5480		µg/kg wet	330	6670		82.2	40-130		
2,4-Dimethylphenol	4960		µg/kg wet	330	6670		74.4	40-130		
Di-n-butyl phthalate	4780		µg/kg wet	330	6670		71.7	40-130		
4,6-Dinitro-2-methylphenol	3150		µg/kg wet	330	6670		47.2	40-130		
2,4-Dinitrophenol	2740		µg/kg wet	330	6670		41.1	40-130		
2,4-Dinitrotoluene	4940		µg/kg wet	330	6670		74.1	40-130		
2,6-Dinitrotoluene	4820		µg/kg wet	330	6670		72.3	40-130		
Di-n-octyl phthalate	5010		µg/kg wet	330	6670		75.1	40-130		
Fluoranthene	5650		µg/kg wet	330	6670		84.7	40-130		
Fluorene	4940		µg/kg wet	330	6670		74.1	40-130		
Hexachlorobenzene	6050		µg/kg wet	330	6670		90.7	40-130		
Hexachlorobutadiene	6110		µg/kg wet	330	6670		91.6	40-130		
Hexachlorocyclopentadiene	5460		µg/kg wet	330	6670		81.9	40-130		
Hexachloroethane	4430		µg/kg wet	330	6670		66.4	40-130		
Indeno (1,2,3-cd) pyrene	6230		µg/kg wet	330	6670		93.4	40-130		
1-Methylnaphthalene	4870		µg/kg wet	330	6670		73.0	40-140		
Isophorone	4250		µg/kg wet	330	6670		63.7	40-130		
2-Methylnaphthalene	4950		µg/kg wet	330	6670		74.2	40-130		
2-Methylphenol	4160		µg/kg wet	330	6670		62.4	40-130		
3,4-Methylphenol	4610		µg/kg wet	330	6670		69.1	40-130		
Naphthalene	5070		µg/kg wet	330	6670		76.0	40-130		
2-Nitroaniline	4940		µg/kg wet	330	6670		74.1	40-130		
3-Nitroaniline	2850		µg/kg wet	330	6670		42.7	40-130		
4-Nitroaniline	3850		µg/kg wet	1320	6670		57.7	40-130		
Nitrobenzene	3710		µg/kg wet	330	6670		55.6	40-130		
2-Nitrophenol	5200		µg/kg wet	330	6670		78.0	40-130		
4-Nitrophenol	4630		µg/kg wet	1320	6670		69.4	40-130		
N-Nitrosodimethylamine	4090		µg/kg wet	330	6670		61.3	40-130		
N-Nitrosodi-n-propylamine	4190		µg/kg wet	330	6670		62.8	40-130		
N-Nitrosodiphenylamine	4830		µg/kg wet	330	6670		72.4	40-130		
Pentachlorophenol	6790		µg/kg wet	330	6670		102	40-130		
Phenanthrene	5140		µg/kg wet	330	6670		77.1	40-130		
Phenol	3820		µg/kg wet	330	6670		57.3	40-130		
Pyrene	4800		µg/kg wet	330	6670		72.0	40-130		
Pyridine	2840		µg/kg wet	330	6670		42.6	40-130		
1,2,4-Trichlorobenzene	5540		µg/kg wet	330	6670		83.1	40-130		
2,4,5-Trichlorophenol	5470		µg/kg wet	330	6670		82.0	40-130		
2,4,6-Trichlorophenol	5230		µg/kg wet	330	6670		78.4	40-130		
Surrogate: 2-Fluorobiphenyl	*5210*		µg/kg wet		*6670*		*78.1*	*30-130*		
Surrogate: 2-Fluorophenol	*4400*		µg/kg wet		*6670*		*66.0*	*15-110*		
Surrogate: Nitrobenzene-d5	*4660*		µg/kg wet		*6670*		*69.9*	*30-130*		
Surrogate: Phenol-d5	*3920*		µg/kg wet		*6670*		*58.8*	*15-110*		
Surrogate: Terphenyl-dl4	*5810*		µg/kg wet		*6670*		*87.1*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*6800*		µg/kg wet		*6670*		*102*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111678 - SW846 3545A										
Duplicate (6111678-DUP1) **Source: SA54515-08**										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Acenaphthene	BRL		µg/kg dry	424		BRL				50
Acenaphthylene	BRL		µg/kg dry	424		BRL				50
Aniline	BRL		µg/kg dry	424		BRL				50
Anthracene	BRL		µg/kg dry	424		BRL				50
Atrazine	BRL		µg/kg dry	424		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	424		BRL				50
Benzidine	BRL		µg/kg dry	424		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	424		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	424		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	424		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	424		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	424		BRL				50
Benzoic acid	BRL		µg/kg dry	424		BRL				50
Benzyl alcohol	BRL		µg/kg dry	424		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	424		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	424		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	424		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	424		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	424		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	424		BRL				50
Carbazole	BRL		µg/kg dry	424		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	424		BRL				50
4-Chloroaniline	BRL		µg/kg dry	424		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	424		BRL				50
2-Chlorophenol	BRL		µg/kg dry	424		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	424		BRL				50
Chrysene	BRL		µg/kg dry	424		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	424		BRL				50
Dibenzofuran	BRL		µg/kg dry	424		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	424		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	424		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	424		BRL				50
3,3'-Dichlorobenzidine	BRL		µg/kg dry	424		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	424		BRL				50
Diethyl phthalate	BRL		µg/kg dry	424		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	424		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	424		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	424		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	424		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	424		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	424		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	424		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	424		BRL				50
Fluoranthene	59.0	J	µg/kg dry	424		BRL				50
Fluorene	BRL		µg/kg dry	424		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	424		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	424		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	424		BRL				50
Hexachloroethane	BRL		µg/kg dry	424		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	424		BRL				50
Isophorone	BRL		µg/kg dry	424		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	424		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	424		BRL				50
2-Methylphenol	BRL		µg/kg dry	424		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111678 - SW846 3545A										
Duplicate (6111678-DUP1) **Source: SA54515-08**										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
3,4-Methylphenol	BRL		µg/kg dry	424		BRL				50
Naphthalene	BRL		µg/kg dry	424		BRL				50
2-Nitroaniline	BRL		µg/kg dry	424		BRL				50
3-Nitroaniline	BRL		µg/kg dry	424		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1690		BRL				50
Nitrobenzene	BRL		µg/kg dry	424		BRL				50
2-Nitrophenol	BRL		µg/kg dry	424		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1690		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	424		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	424		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	424		BRL				50
Pentachlorophenol	BRL		µg/kg dry	424		BRL				50
Phenanthrene	BRL		µg/kg dry	424		BRL				50
Phenol	BRL		µg/kg dry	424		BRL				50
Pyrene	53.1	J	µg/kg dry	424		BRL				50
Pyridine	BRL		µg/kg dry	424		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	424		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	424		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	424		BRL				50
Surrogate: 2-Fluorobiphenyl	*2820*		µg/kg dry		*4280*		*65.9*	*30-130*		
Surrogate: 2-Fluorophenol	*2260*		µg/kg dry		*4280*		*52.8*	*15-110*		
Surrogate: Nitrobenzene-d5	*2390*		µg/kg dry		*4280*		*55.8*	*30-130*		
Surrogate: Phenol-d5	*2330*		µg/kg dry		*4280*		*54.4*	*15-110*		
Surrogate: Terphenyl-dl4	*2780*		µg/kg dry		*4280*		*65.0*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3420*		µg/kg dry		*4280*		*79.9*	*15-110*		
Matrix Spike (6111678-MS1) **Source: SA54515-08**										
Prepared: 22-Nov-06 Analyzed: 28-Nov-06										
Acenaphthene	3220		µg/kg dry	212	4290	BRL	75.1	40-140		
4-Chloro-3-methylphenol	6150		µg/kg dry	212	8580	BRL	71.7	30-130		
2-Chlorophenol	5730		µg/kg dry	212	8580	BRL	66.8	30-130		
1,4-Dichlorobenzene	2910		µg/kg dry	212	4290	BRL	67.8	40-140		
2,4-Dinitrotoluene	3030		µg/kg dry	212	4290	BRL	70.6	40-140		
4-Nitrophenol	5930		µg/kg dry	849	8580	BRL	69.1	30-130		
N-Nitrosodi-n-propylamine	2890		µg/kg dry	212	4290	BRL	67.4	40-140		
Pentachlorophenol	7320		µg/kg dry	212	8580	BRL	85.3	30-130		
Phenol	4850		µg/kg dry	212	8580	BRL	56.5	30-130		
Pyrene	3510		µg/kg dry	212	4290	BRL	81.8	40-140		
1,2,4-Trichlorobenzene	3370		µg/kg dry	212	4290	BRL	78.6	40-140		
Surrogate: 2-Fluorobiphenyl	*3200*		µg/kg dry		*4290*		*74.6*	*30-130*		
Surrogate: 2-Fluorophenol	*2530*		µg/kg dry		*4290*		*59.0*	*15-110*		
Surrogate: Nitrobenzene-d5	*2480*		µg/kg dry		*4290*		*57.8*	*30-130*		
Surrogate: Phenol-d5	*2120*		µg/kg dry		*4290*		*49.4*	*15-110*		
Surrogate: Terphenyl-dl4	*3700*		µg/kg dry		*4290*		*86.2*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4440*		µg/kg dry		*4290*		*103*	*15-110*		
Matrix Spike Dup (6111678-MSD1) **Source: SA54515-08**										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Acenaphthene	3020		µg/kg dry	207	4190	BRL	72.1	40-140	4.08	30
4-Chloro-3-methylphenol	5860		µg/kg dry	207	8380	BRL	69.9	30-130	2.54	30
2-Chlorophenol	5390		µg/kg dry	207	8380	BRL	64.3	30-130	3.81	30
1,4-Dichlorobenzene	2740		µg/kg dry	207	4190	BRL	65.4	40-140	3.60	30
2,4-Dinitrotoluene	3000		µg/kg dry	207	4190	BRL	71.6	40-140	1.41	30
4-Nitrophenol	5830		µg/kg dry	830	8380	BRL	69.6	30-130	0.721	30
N-Nitrosodi-n-propylamine	2550		µg/kg dry	207	4190	BRL	60.9	40-140	10.1	30
Pentachlorophenol	6520		µg/kg dry	207	8380	BRL	77.8	30-130	9.20	30

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111678 - SW846 3545A										
Matrix Spike Dup (6111678-MSD1) Source: SA54515-08										
Prepared: 22-Nov-06 Analyzed: 27-Nov-06										
Phenol	4580		µg/kg dry	207	8380	BRL	54.7	30-130	3.24	30
Pyrene	2640		µg/kg dry	207	4190	BRL	63.0	40-140	26.0	30
1,2,4-Trichlorobenzene	3140		µg/kg dry	207	4190	BRL	74.9	40-140	4.82	30
Surrogate: 2-Fluorobiphenyl	*3450*		µg/kg dry		*4190*		*82.3*	*30-130*		
Surrogate: 2-Fluorophenol	*2780*		µg/kg dry		*4190*		*66.3*	*15-110*		
Surrogate: Nitrobenzene-d5	*2720*		µg/kg dry		*4190*		*64.9*	*30-130*		
Surrogate: Phenol-d5	*2330*		µg/kg dry		*4190*		*55.6*	*15-110*		
Surrogate: Terphenyl-dl4	*3150*		µg/kg dry		*4190*		*75.2*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4200*		µg/kg dry		*4190*		*100*	*15-110*		
Batch 6111728 - SW846 3510C										
Blank (6111728-BLK1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	5.00						
Aniline	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	0.050						
Anthracene	BRL		µg/l	5.00						
Anthracene	BRL		µg/l	0.050						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	0.050						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	0.050						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	0.050						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	0.050						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	0.050						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	0.050						
Dibenzo (a,h) anthracene	BRL		µg/l	0.050						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111728 - SW846 3510C										
Blank (6111728-BLK1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3'-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	0.050						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	0.050						
Fluorene	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	5.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	0.050						
2-Methylnaphthalene	BRL		µg/l	5.00						
2-Methylphenol	BRL		µg/l	5.00						
3,4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	5.00						
Naphthalene	BRL		µg/l	0.050						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	20.0						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	20.0						
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	20.0						
Phenanthrene	BRL		µg/l	0.050						
Phenanthrene	BRL		µg/l	5.00						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	0.050						
Pyrene	BRL		µg/l	5.00						
Pyridine	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	1.00						
Hexachloroethane	BRL		µg/l	1.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	1.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111728 - SW846 3510C										
Blank (6111728-BLK1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Hexachlorobutadiene	BRL		µg/l	0.500						
Surrogate: 2-Fluorobiphenyl	*70.5*		µg/l		*100*		*70.5*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*70.5*		µg/l		*100*		*70.5*	*30-130*		
Surrogate: 2-Fluorophenol	*87.9*		µg/l		*100*		*87.9*	*15-110*		
Surrogate: Nitrobenzene-d5	*82.7*		µg/l		*100*		*82.7*	*30-130*		
Surrogate: [illegible]ol-d5	*89.5*		µg/l		*100*		*89.5*	*15-110*		
Surrogate: Terp[illegible]-d14	*80.3*		µg/l		*100*		*80.3*	*30-130*		
Surrogate: Terpheny[illegible]	*80.3*		µg/l		*100*		*80.3*	*30-130*		
Surrogate: 2,4,6-Tribromo[illegible]ol	*103*		µg/l		*100*		*103*	*15-110*		
LCS (6111728-BS1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Acenaphthene	70.6		µg/l	5.00	100		70.6	40-130		
Acenaphthene	70.6		µg/l	0.050	100		70.6	40-140		
Acenaphthylene	68.7		µg/l	0.050	100		68.7	40-140		
Acenaphthylene	68.7		µg/l	5.00	100		68.7	40-130		
Aniline	50.4		µg/l	5.00	100		50.4	40-130		
1-Methylnaphthalene	73.4		µg/l	0.050	100		73.4	40-140		
Anthracene	75.6		µg/l	5.00	100		75.6	40-130		
Anthracene	75.6		µg/l	0.050	100		75.6	40-140		
Atrazine	145		µg/l	5.00	100		145	0-200		
Azobenzene/phenyldiazine	73.5		µg/l	5.00	100		73.5	40-130		
Benzidine	43.5		µg/l	5.00	100		43.5	40-130		
Benzo (a) anthracene	82.5		µg/l	5.00	100		82.5	40-130		
Benzo (a) anthracene	82.5		µg/l	0.050	100		82.5	40-140		
Benzo (a) pyrene	81.5		µg/l	5.00	100		81.5	40-130		
Benzo (a) pyrene	81.5		µg/l	0.050	100		81.5	40-140		
Benzo (b) fluoranthene	83.4		µg/l	5.00	100		83.4	40-130		
Benzo (b) fluoranthene	83.4		µg/l	0.050	100		83.4	40-140		
Benzo (g,h,i) perylene	76.3		µg/l	5.00	100		76.3	40-130		
Benzo (g,h,i) perylene	76.3		µg/l	0.050	100		76.3	40-140		
Benzo (k) fluoranthene	80.3		µg/l	5.00	100		80.3	40-130		
Benzo (k) fluoranthene	80.3		µg/l	0.050	100		80.3	40-140		
Benzoic acid	69.6		µg/l	5.00	100		69.6	40-130		
Benzyl alcohol	97.5		µg/l	5.00	100		97.5	40-130		
Bis(2-chloroethoxy)methane	71.4		µg/l	5.00	100		71.4	40-130		
Bis(2-chloroethyl)ether	75.7		µg/l	5.00	100		75.7	40-130		
Bis(2-chloroisopropyl)ether	60.8		µg/l	5.00	100		60.8	40-130		
Bis(2-ethylhexyl)phthalate	85.6		µg/l	5.00	100		85.6	40-130		
4-Bromophenyl phenyl ether	80.7		µg/l	5.00	100		80.7	40-130		
Butyl benzyl phthalate	84.7		µg/l	5.00	100		84.7	40-130		
Carbazole	97.0		µg/l	5.00	100		97.0	40-130		
4-Chloro-3-methylphenol	67.6		µg/l	5.00	100		67.6	40-130		
4-Chloroaniline	64.0		µg/l	5.00	100		64.0	40-130		
2-Chloronaphthalene	67.8		µg/l	5.00	100		67.8	40-130		
2-Chlorophenol	71.3		µg/l	5.00	100		71.3	40-130		
4-Chlorophenyl phenyl ether	62.5		µg/l	5.00	100		62.5	40-130		
Chrysene	84.4		µg/l	0.050	100		84.4	40-140		
Chrysene	84.4		µg/l	5.00	100		84.4	40-130		
Dibenzo (a,h) anthracene	73.8		µg/l	0.050	100		73.8	40-140		
Dibenzo (a,h) anthracene	73.8		µg/l	5.00	100		73.8	40-130		
Dibenzofuran	67.2		µg/l	5.00	100		67.2	40-130		
1,2-Dichlorobenzene	73.2		µg/l	5.00	100		73.2	40-130		
1,3-Dichlorobenzene	73.6		µg/l	5.00	100		73.6	40-130		
1,4-Dichlorobenzene	72.7		µg/l	5.00	100		72.7	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111728 - SW846 3510C										
LCS (6111728-BS1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
3,3'-Dichlorobenzidine	76.3		µg/l	5.00	100		76.3	40-130		
2,4-Dichlorophenol	76.3		µg/l	5.00	100		76.3	40-130		
Diethyl phthalate	72.0		µg/l	5.00	100		72.0	40-130		
Dimethyl phthalate	71.0		µg/l	5.00	100		71.0	40-130		
2,4-Dimethylphenol	74.6		µg/l	5.00	100		74.6	40-130		
Di-n-butyl phthalate	79.8		µg/l	5.00	100		79.8	40-130		
4,6-Dinitro-2-methylphenol	111		µg/l	5.00	100		111	40-130		
2,4-Dinitrophenol	98.7		µg/l	5.00	100		98.7	40-130		
2,4-Dinitrotoluene	80.2		µg/l	5.00	100		80.2	40-130		
2,6-Dinitrotoluene	85.2		µg/l	5.00	100		85.2	40-130		
Di-n-octyl phthalate	84.7		µg/l	5.00	100		84.7	40-130		
Fluoranthene	80.8		µg/l	5.00	100		80.8	40-130		
Fluoranthene	80.8		µg/l	0.050	100		80.8	40-140		
Fluorene	63.4		µg/l	5.00	100		63.4	40-130		
Fluorene	63.4		µg/l	0.050	100		63.4	40-140		
Hexachlorobenzene	74.7		µg/l	5.00	100		74.7	40-130		
Hexachlorobutadiene	59.7		µg/l	5.00	100		59.7	40-130		
Hexachlorocyclopentadiene	72.1		µg/l	5.00	100		72.1	40-130		
Hexachloroethane	62.3		µg/l	5.00	100		62.3	40-130		
Indeno (1,2,3-cd) pyrene	79.0		µg/l	0.050	100		79.0	40-140		
Indeno (1,2,3-cd) pyrene	79.0		µg/l	5.00	100		79.0	40-130		
Isophorone	64.0		µg/l	5.00	100		64.0	40-130		
2-Methylnaphthalene	61.6		µg/l	0.050	100		61.6	40-140		
2-Methylnaphthalene	61.6		µg/l	5.00	100		61.6	40-130		
2-Methylphenol	77.9		µg/l	5.00	100		77.9	40-130		
3,4-Methylphenol	74.0		µg/l	10.0	100		74.0	40-130		
Naphthalene	60.2		µg/l	5.00	100		60.2	40-130		
Naphthalene	60.2		µg/l	0.050	100		60.2	40-140		
2-Nitroaniline	96.9		µg/l	5.00	100		96.9	40-130		
3-Nitroaniline	78.9		µg/l	5.00	100		78.9	40-130		
4-Nitroaniline	107		µg/l	20.0	100		107	40-130		
Nitrobenzene	62.3		µg/l	5.00	100		62.3	40-130		
2-Nitrophenol	95.7		µg/l	5.00	100		95.7	40-130		
4-Nitrophenol	96.3		µg/l	20.0	100		96.3	40-130		
N-Nitrosodimethylamine	61.0		µg/l	5.00	100		61.0	40-130		
N-Nitrosodi-n-propylamine	69.1		µg/l	5.00	100		69.1	40-130		
N-Nitrosodiphenylamine	83.2		µg/l	5.00	100		83.2	40-130		
Pentachlorophenol	113		µg/l	20.0	100		113	40-130		
Phenanthrene	76.8		µg/l	0.050	100		76.8	40-14[illegible]		
Phenanthrene	76.8		µg/l	5.00	100		76.8	4[illegible]-130		
Phenol	66.5		µg/l	5.00	100		66.5	40-130		
Pyrene	79.7		µg/l	5.00	100		79.7	40-130		
Pyrene	79.7		µg/l	0.050	100		[illegible]	40-140		
Pyridine	61.3		µg/l	5.00	100		61.3	40-130		
Hexachlorobenzene	74.7		µg/l	1.00	100		74.7	40-140		
1-Methylnaphthalene	73.4		µg/l	5.00	100		73.4	40-140		
1,2,4-Trichlorobenzene	66.8		µg/l	5.00	100		66.8	40-130		
Hexachloroethane	62.3		µg/l	1.00	100		62.3	40-140		
2,4,5-Trichlorophenol	75.4		µg/l	5.00	100		75.4	40-130		
Pentachlorophenol	113		µg/l	1.00	100		113	30-130		
2,4,6-Trichlorophenol	69.5		µg/l	5.00	100		69.5	40-130		
Hexachlorobutadiene	59.7		µg/l	0.500	100		59.7	40-140		
1,4-Dichlorobenzene-d4	40.0		µg/l		40.0		86.7	50-200		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111728 - SW846 3510C										
LCS (6111728-BS1)										
Prepared: 27-Nov-06 Analyzed: 29-Nov-06										
Naphthalene-d8	40.0		µg/l		40.0		94.8	50-200		
Acenaphthene-d10	40.0		µg/l		40.0		98.3	50-200		
Phenanthrene-d10	40.0		µg/l		40.0		96.6	50-200		
Chrysene-d12	40.0		µg/l		40.0		93	50-200		
Perylene-d12	40.0		µg/l		40.0		86.6	50-200		
Surrogate: 2-Fluorobiphenyl	*74.9*		µg/l		*100*		*74.9*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*74.9*		µg/l		*100*		*74.9*	*30-130*		
Surrogate: 2-Fluorophenol	*73.5*		µg/l		*100*		*73.5*	*15-110*		
Surrogate: Nitrobenzene-d5	*79.5*		µg/l		*100*		*79.5*	*30-130*		
Surrogate: Phenol-d5	*71.6*		µg/l		*100*		*71.6*	*15-110*		
Surrogate: Terphenyl-dl4	*83.0*		µg/l		*100*		*83.0*	*30-130*		
Surrogate: Terphenyl-dl4	*83.0*		µg/l		*100*		*83.0*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*109*		µg/l		*100*		*109*	*15-110*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111663 - SW846 3005A										
Blank (6111663-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Selenium	BRL		mg/l	0.0150						
Lead	BRL		mg/l	0.0075						
Barium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
Silver	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0040						
LCS (6111663-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Lead	0.519		mg/l	0.0075	0.500		104	85-115		
Selenium	0.504		mg/l	0.0150	0.500		101	85-115		
Arsenic	0.502		mg/l	0.0040	0.500		100	85-115		
Silver	0.478		mg/l	0.0050	0.500		95.6	85-115		
Chromium	0.533		mg/l	0.0050	0.500		107	85-115		
Barium	0.556		mg/l	0.0050	0.500		111	85-115		
Cadmium	0.546		mg/l	0.0025	0.500		109	85-115		
LCS Dup (6111663-BSD1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Lead	0.507		mg/l	0.0075	0.500		101	85-115	2.34	20
Selenium	0.497		mg/l	0.0150	0.500		99.4	85-115	1.40	20
Barium	0.549		mg/l	0.0050	0.500		110	85-115	1.27	20
Cadmium	0.533		mg/l	0.0025	0.500		107	85-115	2.41	20
Chromium	0.522		mg/l	0.0050	0.500		104	85-115	2.09	20
Arsenic	0.493		mg/l	0.0040	0.500		98.6	85-115	1.81	20
Silver	0.462		mg/l	0.0050	0.500		92.4	85-115	3.40	20
Duplicate (6111663-DUP1) **Source: SA54539-01**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Selenium	BRL		mg/l	0.0150		BRL				20
Lead	0.126		mg/l	0.0075		0.121			4.05	20
Cadmium	0.0002	J,QR1	mg/l	0.0025		0.0004			66.7	20
Chromium	0.0190		mg/l	0.0050		0.0198			4.12	20
Barium	0.0718		mg/l	0.0050		0.0715			0.419	20
Silver	0.0054	QR1	mg/l	0.0050		0.0042			25.0	20
Arsenic	BRL		mg/l	0.0040		BRL				20
Matrix Spike (6111663-MS1) **Source: SA54539-02**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Lead	0.506		mg/l	0.0075	0.500	BRL	101	75-125		
Selenium	0.516		mg/l	0.0150	0.500	BRL	103	75-125		
Chromium	0.527		mg/l	0.0050	0.500	0.0022	105	75-125		
Arsenic	0.513		mg/l	0.0040	0.500	BRL	103	75-125		
Silver	0.477		mg/l	0.0050	0.500	BRL	95.4	75-125		
Barium	0.564		mg/l	0.0050	0.500	0.0172	109	75-125		
Cadmium	0.533		mg/l	0.0025	0.500	BRL	107	75-125		
Matrix Spike Dup (6111663-MSD1) **Source: SA54539-02**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Lead	0.494		mg/l	0.0075	0.500	BRL	98.8	75-125	2.40	20
Selenium	0.498		mg/l	0.0150	0.500	BRL	99.6	75-125	3.55	20
Arsenic	0.499		mg/l	0.0040	0.500	BRL	99.8	75-125	2.77	20
Chromium	0.514		mg/l	0.0050	0.500	0.0022	102	75-125	2.50	20
Cadmium	0.522		mg/l	0.0025	0.500	BRL	104	75-125	2.09	20

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* Reportable Detection Limit BRL = Below Reporting Limit

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111663 - SW846 3005A										
Matrix Spike Dup (6111663-MSD1) **Source: SA54539-02**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Silver	0.468		mg/l	0.0050	0.500	BRL	93.6	75-125	1.90	20
Barium	0.552		mg/l	0.0050	0.500	0.0172	107	75-125	2.15	20
Post Spike (6111663-PS1) **Source: SA54539-02**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Selenium	0.512		mg/l	0.0150	0.500	BRL	102	80-120		
Lead	0.504		mg/l	0.0075	0.500	BRL	101	80-120		
Barium	0.560		mg/l	0.0050	0.500	0.0172	109	80-120		
Chromium	0.521		mg/l	0.0050	0.500	0.0022	104	80-120		
Silver	0.473		mg/l	0.0050	0.500	BRL	94.6	80-120		
Cadmium	0.532		mg/l	0.0025	0.500	BRL	106	80-120		
Arsenic	0.510		mg/l	0.0040	0.500	BRL	102	80-120		
Batch 6111707 - EPA200/SW7000 Series										
Blank (6111707-BLK1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
Mercury	BRL		mg/kg wet	0.262						
Duplicate (6111707-DUP1) **Source: SA54527-01**										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
Mercury	0.0431		mg/kg dry	0.0343		0.0463			7.16	35
Matrix Spike (6111707-MS1) **Source: SA54543-09**										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
Mercury	0.740		mg/kg dry	0.0362	0.503	0.261	95.2	75-125		
Reference (6111707-SRM1)										
Prepared: 27-Nov-06 Analyzed: 28-Nov-06										
Mercury	0.960		mg/kg wet	0.0300	1.06		90.6	68.2-132.1		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111664 - EPA200/SW7000 Series										
Blank (6111664-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Mercury	BRL		mg/l	0.00020						
LCS (6111664-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Mercury	0.00212		mg/l	0.00020	0.00250		84.8	80-120		
Duplicate (6111664-DUP1) Source: SA54539-01										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (6111664-MS1) Source: SA54539-02										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Mercury	0.00222		mg/l	0.00020	0.00250	BRL	88.8	75-125		
Matrix Spike Dup (6111664-MSD1) Source: SA54539-02										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Mercury	0.00218		mg/l	0.00020	0.00250	BRL	87.2	75-125	1.82	20
Post Spike (6111664-PS1) Source: SA54539-02										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Mercury	0.00208		mg/l	0.00020	0.00250	BRL	83.2	75-125		
Batch 6111706 - EPA 200 Series										
Blank (6111706-BLK1)										
Prepared: 27-Nov-06 Analyzed: 30-Nov-06										
Silver	BRL		mg/kg wet	0.964						
Selenium	BRL		mg/kg wet	1.45						
Cadmium	BRL		mg/kg wet	0.241						
Chromium	BRL		mg/kg wet	0.482						
Lead	BRL		mg/kg wet	0.723						
Arsenic	BRL		mg/kg wet	1.45						
Barium	BRL		mg/kg wet	0.482						
Duplicate (6111706-DUP1) Source: SA54527-01										
Prepared: 27-Nov-06 Analyzed: 30-Nov-06										
Selenium	1.11	J	mg/kg dry	1.75		0.938			16.8	35
Silver	5.54		mg/kg dry	1.16		5.24			5.57	35
Arsenic	1.68	J,QR1	mg/kg dry	1.75		1.11			40.9	35
Lead	233		mg/kg dry	0.873		257			9.80	35
Chromium	23.6		mg/kg dry	0.582		21.2			10.7	35
Cadmium	0.873		mg/kg dry	0.291		0.880			0.799	35
Barium	56.4		mg/kg dry	0.582		58.4			3.48	35
Matrix Spike (6111706-MS1) Source: SA54543-09										
Prepared: 27-Nov-06 Analyzed: 30-Nov-06										
Silver	157		mg/kg dry	1.14	143	4.94	106	70-130		
Selenium	139		mg/kg dry	1.71	143	1.80	95.9	70-130		
Lead	917	QM4X	mg/kg dry	0.857	143	622	206	70-130		
Cadmium	144		mg/kg dry	0.286	143	3.56	98.2	70-130		
Arsenic	147		mg/kg dry	1.71	143	6.04	98.6	70-130		
Chromium	182		mg/kg dry	0.572	143	34.4	103	70-130		
Barium	641		mg/kg dry	0.572	143	462	125	70-130		
Post Spike (6111706-PS1) Source: SA54543-09										
Prepared: 27-Nov-06 Analyzed: 30-Nov-06										
Silver	151		mg/kg dry	1.19	149	4.94	98.0	85-115		
Selenium	144		mg/kg dry	1.79	149	1.80	95.4	85-115		

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 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111706 - EPA 200 Series										
P Spike (6111706-PS1) **Source: SA54543-09**										
Prepa 27-Nov-06 Analyzed: 30-Nov-06										
Chromium	172		mg/kg dry	0.596	149	34.4	92.3	85-115		
Cadmium	144		mg/kg dry	0.298	149	3.56	94.3	85-115		
Arsenic	148		mg/kg dry	1.79	149	6.04	95.3	85-115		
Lead	705	QM4X	mg/kg dry	0.894	149	622	55.7	85-115		
Barium	560	QM4X	mg/kg dry	0.596	149	462	65.8	85-115		
Reference (6111706-SRM1)										
Prepared: 27-Nov-06 Analyzed: 30-Nov-06										
Selenium	184		mg/kg wet	2.91	173		106	75.7-124.3		
Silver	133		mg/kg wet	1.94	123		108	61.2-139		
Lead	168		mg/kg wet	1.46	166		101	80.7-119.3		
Arsenic	257		g/kg wet	2.91	257		100	79.8-120.2		
Cadmium	127		/kg wet	0.485	117		109	81.5-118.8		
Chromium	73.5		m kg wet	0.970	72.8		101	78.6-121.4		
Barium	474		mg wet	0.970	472		100	82-118.1		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111953 - SW846 3010A										
Blank (6111953-BLK1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Selenium	BRL		mg/l	0.0150						
Lead	BRL		mg/l	0.0075						
Silver	BRL		mg/l	0.0100						
Cadmium	BRL		mg/l	0.0025						
Arsenic	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0050						
Barium	BRL		mg/l	0.0050						
LCS (6111953-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Lead	1.20		mg/l	0.0075	1.25		96.0	72.8-111		
Selenium	1.16		mg/l	0.0150	1.25		92.8	67.3-113		
Cadmium	1.26		mg/l	0.0025	1.25		101	71.8-121		
Silver	1.11		mg/l	0.0100	1.25		88.8	56.1-118		
Chromium	1.26		mg/l	0.0050	1.25		101	72-119		
Arsenic	1.18		mg/l	0.0150	1.25		94.4	68.7-111		
Barium	1.31		mg/l	0.0050	1.25		105	77.1-125		
LCS Dup (6111953-BSD1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Selenium	1.20		mg/l	0.0150	1.25		96.0	67.3-113	3.39	20
Lead	1.22		mg/l	0.0075	1.25		97.6	72.8-111	1.65	20
Cadmium	1.29		mg/l	0.0025	1.25		103	71.8-121	2.35	20
Chromium	1.28		mg/l	0.0050	1.25		102	72-119	1.57	20
Silver	1.12		mg/l	0.0100	1.25		89.6	56.1-118	0.897	20
Arsenic	1.21		mg/l	0.0150	1.25		96.8	68.7-111	2.51	20
Barium	1.31		mg/l	0.0050	1.25		105	77.1-125	0.00	20
Duplicate (6111953-DUP1) **Source: SA54611-09**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Selenium	BRL		mg/l	0.0150		BRL				20
Lead	0.0042	J	mg/l	0.0075		0.0042			0.00	20
Chromium	BRL		mg/l	0.0050		BRL				20
Silver	BRL		mg/l	0.0100		BRL				20
Arsenic	BRL		mg/l	0.0150		BRL				20
Cadmium	BRL		mg/l	0.0025		BRL				20
Barium	0.0228		mg/l	0.0050		0.0193			16.6	20
Matrix Spike (6111953-MS1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Selenium	1.12		mg/l	0.0150	1.25	BRL	89.6	73-113		
Lead	1.15		mg/l	0.0075	1.25	0.0033	91.7	81-107		
Silver	1.07		mg/l	0.0100	1.25	BRL	85.6	63.7-113		
Cadmium	1.22		mg/l	0.0025	1.25	BRL	97.6	81.1-115		
Arsenic	1.14		mg/l	0.0150	1.25	BRL	91.2	76.7-109		
Chromium	1.21		mg/l	0.0050	1.25	BRL	96.8	83.1-112		
Barium	1.28		mg/l	0.0050	1.25	0.0181	101	85.6-121		
Matrix Spike Dup (6111953-MSD1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Lead	1.20		mg/l	0.0075	1.25	0.0033	95.7	81-107	4.26	20
Selenium	1.16		mg/l	0.0150	1.25	BRL	92.8	73-113	3.51	35
Cadmium	1.26		mg/l	0.0025	1.25	BRL	101	81.1-115	3.23	35
Silver	1.12		mg/l	0.0100	1.25	BRL	89.6	63.7-113	4.57	35
Chromium	1.27		mg/l	0.0050	1.25	BRL	102	83.1-112	4.84	35

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111953 - SW846 3010A										
Matrix Spike Dup (6111953-MSD1) Source: SA54611-10										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Arsenic	1.18		mg/l	0.0150	1.25	BRL	94.4	76.7-109	3.45	35
Barium	1.34		mg/l	0.0050	1.25	0.0181	106	85.6-121	4.58	35
Post Spike (6111953-PS1) Source: SA54611-10										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Lead	1.19		mg/l	0.0075	1.25	0.0033	94.9	80-120		
Selenium	1.15		mg/l	0.0150	1.25	BRL	92.0	80-120		
Chromium	1.25		mg/l	0.0050	1.25	BRL	100	80-120		
Cadmium	1.25		mg/l	0.0025	1.25	BRL	100	80-120		
Silver	1.07		mg/l	0.0100	1.25	BRL	85.6	80-120		
Arsenic	1.17		mg/l	0.0150	1.25	BRL	93.6	80-120		
Barium	1.32		mg/l	0.0050	1.25	0.0181	104	80-120		
Batch 6111954 - EPA200/SW7000 Series										
Blank (6111954-BLK1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	BRL		mg/l	0.00040						
LCS (6111954-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	0.00236		mg/l	0.00040	0.00250		94.4	65.5-119		
Duplicate (6111954-DUP1) Source: SA54611-09										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	BRL		mg/l	0.00040		BRL				35
Matrix Spike (6111954-MS1) Source: SA54611-10										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	0.00213		mg/l	0.00040	0.00250	BRL	85.2	62.8-125		
Matrix Spike Dup (6111954-MSD1) Source: SA54611-10										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	0.00242		mg/l	0.00040	0.00250	BRL	96.8	62.8-125	12.7	35
Post Spike (6111954-PS1) Source: SA54611-10										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	0.00223		mg/l	0.00040	0.00250	BRL	89.2	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111872 - General Preparation										
Duplicate (6111872-DUP1) Source: SA54704-02										
Prepared & Analyzed: 28-Nov-06										
% Solids	90.0		%			89.6			0.445	20

Notes and Definitions

*TPH	Calculated as
Comp	Completed
FP	Field Preserved
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS 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.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR5	RPD out of acceptance range.
R02	Elevated Reporting Limits due to limited sample volume.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
vex2	Field extracted
Z-2	The recovery of d-BHC was outside of the acceptance range due to a breakdown of d-BHC within the spike mixture. The CCC is within acceptable limits which demonstrates that the problem lies with the mixture, not the instrumentation.
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.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

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 samples prior to analysis. Percent recoveries are calculated for each surrogate.

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

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA	Project Name and Number:
Project Location: Busway Newington Junction - CT	Busway Newington Junction - CT/ 171-305
This Form Provides certifications for the following data set: SA54543-01 SA54543-11 SA54543-02 SA54543-12 SA54543-03 SA54543-13 SA54543-04 SA54543-14 SA54543-05 SA54543-06 SA54543-07 SA54543-08 SA54543-09 SA54543-10	List Specific Analytical Methods Used: +CT ETPH EPA 200.7 EPA 245.1/7470A SM2540 G Mod. SW 846 8260B SW846 1312 SW846 1312/6010B SW846 1312/7470A SW846 6010B SW846 7471A SW846 8081A SW846 8082 SW846 8260B SW846 8270C SW846 8270C/EPA 625 ; VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☐ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

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

Date: 12/1/2006

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

* Reportable Detection Limit BRL = Below Reporting Limit

SA54543 mz

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Project Mgr.: David Stock - Maguire

Invoice To: CTDOT - DAS Contract
c/o LES
P.O. No.: RQN:

Project No.: 171-305
Site Name: Busway
Location: Newington Junction State: CT
Sampler(s): C. Knight / C. Criscuolo

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- [ ] Provide MA DEP MCP CAM Report
- [ ] Provide CT DPH RCP Report

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] Other

State specific reporting standards: CTDEP GB PMC + RDEC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	CT ETPH	SVOCs + Pesticides 8270 SOBIA	PCBs - 8082	Total RCRA 8 Metals	SPLP RCRA 8 Metals			
SA54548-01	NJ-8 2'-4'	11-20-06		C	SO		3	1			X	X	X	X	X	X			
02	NJ-8 4'-8'																		
03	NJ-9 2'-4'																		
04	NJ-9 4'-8'																		
05	NJ-10 2'-4'																		
06	NJ-21 4'-8'																		
07	NJ-23 2'-4'																		
08	NJ-25 2'-4'																		
09	NJ-26 0'-2'																		
10	NJ-9 GW			G	GW			4		1									

- [ ] Fax results when available to ( )
- [x] E-mail to ck@logicalenvironmental.com
EDD Format PDF

Condition upon receipt: [x] Iced [ ] Ambient [ ] °C 5 CK

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11/21/06	1408
[signature]	[signature]	11-21-06	1435

SAS4543

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

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

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Project Mgr.: D. Stout - MOT

Invoice To: CTDOT - PAS Contract
c/o LES
P.O. No.: _____ RQN: _____

Project No.: 171-305
Site Name: Busway
Location: Newington Junction State: CT
Sampler(s): C. Knight / C. Criscuolo

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Blank Water X2=_____ X3=_____

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: VOCs - 8260; CT ETPH; SVOCs + Pesticides 8270 8081A; PCBs - 8082; Total RCRA 8 Metals

QA Reporting Notes: (check if needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other _____

State specific reporting standards: CTDEP GB PMC, RDEC SWPC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	CT ETPH	SVOCs + Pesticides 8270 8081A	PCBs - 8082	Total RCRA 8 Metals
SAS4543-11	MW-4	11-20-06		G	GW		3	4		1	X	X	X	X	X
12	MW-5	↓		G	GW		1	4		1	↓	X	X	X	X
13	FB-1	↓			X1		↓			1					X
14	TB-2	↓			X1		1				↓				

☐ Fax results when available to (____) _____
☒ E-mail to ckclegalenvironmental.com
EDD Format PDF

Condition upon receipt: ☐ Iced ☐ Ambient ☒ 5°C

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11/21/06	1408
[signature]	[signature]	11-21-06	1435

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-2 SA54993-21	171-305	Blank Water	03-Dec-06 00:00	04-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Frec 113)	BRL		µg/l	1.0	1	SW846 8260B	06-Dec-06	06-Dec-06	6120321	ek
67-64-1	Acetone	BRL		µg/l	20.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-3	171-305	Blank Water	21-Nov-06 00:00	22-Nov-06
SA54611-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Frec 113)	BRL		µg/l	1.0	1	SW 846 8260B	29-Nov-06	29-Nov-06	6111974	tr
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	1.0	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	1.0	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-3 SA54611-12	171-305	Blank Water	21-Nov-06 00:00	22-Nov-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	SW 846 8260B	29-Nov-06	29-Nov-06	6111974	tr
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*105*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.6*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*94.0*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111890 - SW846 5035A Soil (low level)										
Blank (6111890-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	100						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111890 - SW846 5035A Soil (low level)										
Blank (6111890-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*51.6*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.7*		µg/kg wet		*50.0*		*117*	*70-130*		
Surrogate: Dibromofluoromethane	*53.2*		µg/kg wet		*50.0*		*106*	*70-130*		
LCS (6111890-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.7		µg/kg wet		20.0		108	70-130		
Acetone	3.5		µg/kg wet		20.0		17.5	3.31-159		
Acrylonitrile	18.5		µg/kg wet		20.0		92.5	70-130		
Benzene	18.4		µg/kg wet		20.0		92.0	70-130		
Bromobenzene	18.8		µg/kg wet		20.0		94.0	70-130		
Bromochloromethane	18.3		µg/kg wet		20.0		91.5	70-130		
Bromodichloromethane	19.9		µg/kg wet		20.0		99.5	70-130		
Bromoform	21.1		µg/kg wet		20.0		106	70-130		
Bromomethane	17.5		µg/kg wet		20.0		87.5	50-140		
2-Butanone (MEK)	13.3		µg/kg wet		20.0		66.5	47.7-127		
n-Butylbenzene	17.1		µg/kg wet		20.0		85.5	70-130		
sec-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130		
tert-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Carbon disulfide	17.5		µg/kg wet		20.0		87.5	70-130		
Carbon tetrachloride	19.8		µg/kg wet		20.0		99.0	70-130		
Chlorobenzene	19.5		µg/kg wet		20.0		97.5	70-130		
Chloroethane	18.3		µg/kg wet		20.0		91.5	55.9-135		
Chloroform	19.2		µg/kg wet		20.0		96.0	70-130		
Chloromethane	16.1		µg/kg wet		20.0		80.5	70-130		
2-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130		
4-Chlorotoluene	19.1		µg/kg wet		20.0		95.5	70-130		
1,2-Dibromo-3-chloropropane	18.5		µg/kg wet		20.0		92.5	70-130		
Dibromochloromethane	20.0		µg/kg wet		20.0		100	72-125		
1,2-Dibromoethane (EDB)	19.3		µg/kg wet		20.0		96.5	70-130		
Dibromomethane	17.8		µg/kg wet		20.0		89.0	70-130		
1,2-Dichlorobenzene	19.0		µg/kg wet		20.0		95.0	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111890 - SW846 5035A Soil (low level)										
LCS (6111890-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
1,3-Dichlorobenzene	19.6		µg/kg wet		20.0		98.0	70-130		
1,4-Dichlorobenzene	18.0		µg/kg wet		20.0		90.0	70-130		
Dichlorodifluoromethane (Freon12)	21.9		µg/kg wet		20.0		110	42.3-190		
1,1-Dichloroethane	18.5		µg/kg wet		20.0		92.5	70-130		
1,2-Dichloroethane	18.7		µg/kg wet		20.0		93.5	70-130		
1,1-Dichloroethene	18.3		µg/kg wet		20.0		91.5	70-130		
cis-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95.0	70-130		
trans-1,2-Dichloroethene	17.5		µg/kg wet		20.0		87.5	70-130		
1,2-Dichloropropane	18.4		µg/kg wet		20.0		92.0	70-130		
1,3-Dichloropropane	19.9		µg/kg wet		20.0		99.5	70-130		
2,2-Dichloropropane	15.6		µg/kg wet		20.0		78.0	70-130		
1,1-Dichloropropene	19.3		µg/kg wet		20.0		96.5	70-130		
cis-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94.0	70-130		
trans-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93.0	70-130		
Ethylbenzene	19.0		µg/kg wet		20.0		95.0	70-130		
Hexachlorobutadiene	16.9		µg/kg wet		20.0		84.5	70-137		
2-Hexanone (MBK)	14.9		µg/kg wet		20.0		74.5	70-130		
Isopropylbenzene	18.9		µg/kg wet		20.0		94.5	70-130		
4-Isopropyltoluene	18.6		µg/kg wet		20.0		93.0	70-130		
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96.0	70-130		
4-Methyl-2-pentanone (MIBK)	22.4		µg/kg wet		20.0		112	48.5-127		
Methylene chloride	19.2		µg/kg wet		20.0		96.0	70-130		
Naphthalene	19.7		µg/kg wet		20.0		98.5	70-130		
n-Propylbenzene	19.7		µg/kg wet		20.0		98.5	70-130		
Styrene	14.2		µg/kg wet		20.0		71.0	70-130		
1,1,1,2-Tetrachloroethane	20.4		µg/kg wet		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130		
Tetrachloroethene	16.9		µg/kg wet		20.0		84.5	70-130		
Toluene	18.5		µg/kg wet		20.0		92.5	70-130		
1,2,3-Trichlorobenzene	17.7		µg/kg wet		20.0		88.5	70-130		
1,2,4-Trichlorobenzene	17.1		µg/kg wet		20.0		85.5	70-130		
1,1,1-Trichloroethane	19.8		µg/kg wet		20.0		99.0	70-130		
1,1,2-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130		
Trichloroethene	18.4		µg/kg wet		20.0		92.0	70-130		
Trichlorofluoromethane (Freon 11)	19.8		µg/kg wet		20.0		99.0	66.5-144		
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	19.6		µg/kg wet		20.0		98.0	70-130		
1,3,5-Trimethylbenzene	19.4		µg/kg wet		20.0		97.0	70-130		
Vinyl chloride	18.6		µg/kg wet		20.0		93.0	70-130		
m,p-Xylene	37.9		µg/kg wet		40.0		94.8	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96.0	70-130		
Tetrahydrofuran	13.9	QC1	µg/kg wet		20.0		69.5	70-130		
Ethyl ether	20.7		µg/kg wet		20.0		104	64.9-123		
Tert-amyl methyl ether	22.7		µg/kg wet		20.0		114	70-130		
Ethyl tert-butyl ether	19.9		µg/kg wet		20.0		99.5	70-130		
Di-isopropyl ether	16.6		µg/kg wet		20.0		83.0	70-130		
Tert-Butanol / butyl alcohol	181		µg/kg wet		200		90.5	70-130		
1,4-Dioxane	249		µg/kg wet		200		124	40-134		
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS Dup (6111890-BSD1)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111890 - SW846 5035A Soil (low level)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.5		µg/kg wet		20.0		112	70-130	3.64	25
Acetone	5.6		µg/kg wet		20.0		28.0	3.31-159	46.2	50
Acrylonitrile	18.7		µg/kg wet		20.0		93.5	70-130	1.08	25
Benzene	18.4		µg/kg wet		20.0		92.0	70-130	0.00	25
Bromobenzene	19.7		µg/kg wet		20.0		98.5	70-130	4.68	25
Bromochloromethane	20.7		µg/kg wet		20.0		104	70-130	12.8	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	0.501	25
Bromoform	21.7		µg/kg wet		20.0		108	70-130	1.87	25
Bromomethane	16.6		µg/kg wet		20.0		83.0	50-140	5.28	50
2-Butanone (MEK)	12.9		µg/kg wet		20.0		64.5	47.7-127	3.05	50
n-Butylbenzene	17.5		µg/kg wet		20.0		87.5	70-130	2.31	25
sec-Butylbenzene	20.7		µg/kg wet		20.0		104	70-130	2.93	25
tert-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	3.77	25
Carbon disulfide	18.8		µg/kg wet		20.0		94.0	70-130	7.16	25
Carbon tetrachloride	19.8		µg/kg wet		20.0		99.0	70-130	0.00	25
Chlorobenzene	18.9		µg/kg wet		20.0		94.5	70-130	3.12	25
Chloroethane	17.4		µg/kg wet		20.0		87.0	55.9-135	5.04	50
Chloroform	20.0		µg/kg wet		20.0		100	70-130	4.08	25
Chloromethane	15.3		µg/kg wet		20.0		76.5	70-130	5.10	25
2-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130	3.85	25
4-Chlorotoluene	19.9		µg/kg wet		20.0		99.5	70-130	4.10	25
1,2-Dibromo-3-chloropropane	20.3		µg/kg wet		20.0		102	70-130	9.77	25
Dibromochloromethane	20.4		µg/kg wet		20.0		102	72-125	1.98	50
1,2-Dibromoethane (EDB)	20.6		µg/kg wet		20.0		103	70-130	6.52	25
Dibromomethane	18.4		µg/kg wet		20.0		92.0	70-130	3.31	25
1,2-Dichlorobenzene	19.0		µg/kg wet		20.0		95.0	70-130	0.00	25
1,3-Dichlorobenzene	20.5		µg/kg wet		20.0		102	70-130	4.00	25
1,4-Dichlorobenzene	18.3		µg/kg wet		20.0		91.5	70-130	1.65	25
Dichlorodifluoromethane (Freon12)	17.9		µg/kg wet		20.0		89.5	42.3-190	20.6	50
1,1-Dichloroethane	18.1		µg/kg wet		20.0		90.5	70-130	2.19	25
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93.0	70-130	0.536	25
1,1-Dichloroethene	18.6		µg/kg wet		20.0		93.0	70-130	1.63	25
cis-1,2-Dichloroethene	19.7		µg/kg wet		20.0		98.5	70-130	3.62	25
trans-1,2-Dichloroethene	17.7		µg/kg wet		20.0		88.5	70-130	1.14	25
1,2-Dichloropropane	19.1		µg/kg wet		20.0		95.5	70-130	3.73	25
1,3-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130	4.42	25
2,2-Dichloropropane	15.3		µg/kg wet		20.0		76.5	70-130	1.94	25
1,1-Dichloropropene	19.0		µg/kg wet		20.0		95.0	70-130	1.57	25
cis-1,3-Dichloropropene	17.7		µg/kg wet		20.0		88.5	70-130	6.03	25
trans-1,3-Dichloropropene	18.1		µg/kg wet		20.0		90.5	70-130	2.72	25
Ethylbenzene	19.0		µg/kg wet		20.0		95.0	70-130	0.00	25
Hexachlorobutadiene	18.0		µg/kg wet		20.0		90.0	70-137	6.30	50
2-Hexanone (MBK)	14.6		µg/kg wet		20.0		73.0	70-130	2.03	25
Isopropylbenzene	18.9		µg/kg wet		20.0		94.5	70-130	0.00	25
4-Isopropyltoluene	18.0		µg/kg wet		20.0		90.0	70-130	3.28	25
Methyl tert-butyl ether	19.4		µg/kg wet		20.0		97.0	70-130	1.04	25
4-Methyl-2-pentanone (MIBK)	19.3		µg/kg wet		20.0		96.5	48.5-127	14.9	50
Methylene chloride	18.3		µg/kg wet		20.0		91.5	70-130	4.80	25
Naphthalene	21.9		µg/kg wet		20.0		110	70-130	11.0	25
n-Propylbenzene	20.8		µg/kg wet		20.0		104	70-130	5.43	25
Styrene	14.1		µg/kg wet		20.0		70.5	70-130	0.707	25
1,1,1,2-Tetrachloroethane	20.3		µg/kg wet		20.0		102	70-130	0.00	25
1,1,2,2-Tetrachloroethane	22.0		µg/kg wet		20.0		110	70-130	8.53	25
Tetrachloroethene	17.1		µg/kg wet		20.0		85.5	70-130	1.18	25
Toluene	17.3		µg/kg wet		20.0		86.5	70-130	6.70	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111890 - SW846 5035A Soil (low level)										
LCS Dup (6111890-BSD1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
1,2,3-Trichlorobenzene	19.5		µg/kg wet		20.0		97.5	70-130	9.68	25
1,2,4-Trichlorobenzene	17.9		µg/kg wet		20.0		89.5	70-130	4.57	25
1,1,1-Trichloroethane	19.7		µg/kg wet		20.0		98.5	70-130	0.506	25
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		92.5	70-130	9.77	25
Trichloroethene	18.6		µg/kg wet		20.0		93.0	70-130	1.08	25
Trichlorofluoromethane (Freon 11)	19.6		µg/kg wet		20.0		98.0	66.5-144	1.02	50
1,2,3-Trichloropropane	21.2		µg/kg wet		20.0		106	70-130	2.79	25
1,2,4-Trimethylbenzene	19.6		µg/kg wet		20.0		98.0	70-130	0.00	25
1,3,5-Trimethylbenzene	19.7		µg/kg wet		20.0		98.5	70-130	1.53	25
Vinyl chloride	20.1		µg/kg wet		20.0		100	70-130	7.25	25
m,p-Xylene	39.5		µg/kg wet		40.0		98.8	70-130	4.13	25
o-Xylene	20.6		µg/kg wet		20.0		103	70-130	7.04	25
Tetrahydrofuran	17.5		µg/kg wet		20.0		87.5	70-130	22.9	25
Ethyl ether	18.5		µg/kg wet		20.0		92.5	64.9-123	11.7	50
Tert-amyl methyl ether	17.7	QR5	µg/kg wet		20.0		88.5	70-130	25.2	25
Ethyl tert-butyl ether	19.7		µg/kg wet		20.0		98.5	70-130	1.01	25
Di-isopropyl ether	15.8		µg/kg wet		20.0		79.0	70-130	4.94	25
Tert-Butanol / butyl alcohol	165		µg/kg wet		200		82.5	70-130	9.25	25
1,4-Dioxane	175	QR5	µg/kg wet		200		87.5	40-134	34.5	25
Surrogate: 4-Bromofluorobenzene	*53.3*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*47.7*		µg/kg wet		*50.0*		*95.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.9*		µg/kg wet		*50.0*		*95.8*	*70-130*		
Surrogate: Dibromofluoromethane	*50.5*		µg/kg wet		*50.0*		*101*	*70-130*		
Batch 6111974 - SW846 5030 Water MS										
Blank (6111974-BLK1)										
Prepared & Analyzed: 29-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	20.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	1.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
Blank (6111974-BLK1)										
Prepared & Analyzed: 29-Nov-06										
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
Blank (6111974-BLK1)										
Prepared & Analyzed: 29-Nov-06										
Ethylbenzene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Methylene chloride	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	1.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
Blank (6111974-BLK1)										
Prepared & Analyzed: 29-Nov-06										
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
1,4-Dioxane	BRL		µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: 4-Bromofluorobenzene	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.0*		µg/l		*50.0*		*92.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.0*		µg/l		*50.0*		*92.0*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		
LCS (6111974-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.5		µg/l		20.0		92.5	70-130		
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.5		µg/l		20.0		92.5	70-130		
Acetone	20.0		µg/l		20.0		100	29.5-156		
Acetone	20.0		µg/l		20.0		100	32.4-154		
Acrylonitrile	21.2		µg/l		20.0		106	70-130		
Acrylonitrile	21.2		µg/l		20.0		106	70-130		
Benzene	21.0		µg/l		20.0		105	70-130		
Benzene	21.0		µg/l		20.0		105	70-130		
Bromobenzene	22.2		µg/l		20.0		111	70-130		
Bromobenzene	22.2		µg/l		20.0		111	70-130		
Bromochloromethane	20.6		µg/l		20.0		103	70-130		
Bromochloromethane	20.6		µg/l		20.0		103	70-130		
Bromodichloromethane	19.8		µg/l		20.0		99.0	70-130		
Bromodichloromethane	19.8		µg/l		20.0		99.0	70-130		
Bromoform	18.1		µg/l		20.0		90.5	70-130		
Bromoform	18.1		µg/l		20.0		90.5	70-130		
Bromomethane	19.6		µg/l		20.0		98.0	57.6-150		
Bromomethane	19.6		µg/l		20.0		98.0	57.7-151		
2-Butanone (MEK)	15.6		µg/l		20.0		78.0	48.9-134		
2-Butanone (MEK)	15.6		µg/l		20.0		78.0	46.5-137		
n-Butylbenzene	20.9		µg/l		20.0		104	70-130		
n-Butylbenzene	20.9		µg/l		20.0		104	70-130		
sec-Butylbenzene	22.5		µg/l		20.0		112	70-130		
sec-Butylbenzene	22.5		µg/l		20.0		112	70-130		
tert-Butylbenzene	22.2		µg/l		20.0		111	70-130		
tert-Butylbenzene	22.2		µg/l		20.0		111	70-130		
Carbon disulfide	18.0		µg/l		20.0		90.0	70-130		
Carbon disulfide	18.0		µg/l		20.0		90.0	70-130		
Carbon tetrachloride	13.9	QC2	µg/l		20.0		69.5	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
LCS (6111974-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Carbon tetrachloride	13.9	QC2	µg/l		20.0		69.5	70-130		
Chlorobenzene	23.0		µg/l		20.0		115	70-130		
Chlorobenzene	23.0		µg/l		20.0		115	70-130		
Chloroethane	18.6		µg/l		20.0		93.0	56.9-145		
Chloroethane	18.6		µg/l		20.0		93.0	57.6-143		
Chloroform	19.6		µg/l		20.0		98.0	70-130		
Chloroform	19.6		µg/l		20.0		98.0	70-130		
Chloromethane	16.2		µg/l		20.0		81.0	70-130		
Chloromethane	16.2		µg/l		20.0		81.0	70-130		
2-Chlorotoluene	23.8		µg/l		20.0		119	70-130		
2-Chlorotoluene	23.8		µg/l		20.0		119	70-130		
4-Chlorotoluene	23.2		µg/l		20.0		116	70-130		
4-Chlorotoluene	23.2		µg/l		20.0		116	70-130		
1,2-Dibromo-3-chloropropane	14.0		µg/l		20.0		70.0	70-130		
1,2-Dibromo-3-chloropropane	14.0		µg/l		20.0		70.0	70-130		
Dibromochloromethane	18.1		µg/l		20.0		90.5	62.5-139		
Dibromochloromethane	18.1		µg/l		20.0		90.5	61.5-142		
1,2-Dibromoethane (EDB)	20.1		µg/l		20.0		100	70-130		
1,2-Dibromoethane (EDB)	20.1		µg/l		20.0		100	70-130		
Dibromomethane	19.6		µg/l		20.0		98.0	70-130		
Dibromomethane	19.6		µg/l		20.0		98.0	70-130		
1,2-Dichlorobenzene	20.7		µg/l		20.0		104	70-130		
1,2-Dichlorobenzene	20.7		µg/l		20.0		104	70-130		
1,3-Dichlorobenzene	23.7		µg/l		20.0		118	70-130		
1,3-Dichlorobenzene	23.7		µg/l		20.0		118	70-130		
1,4-Dichlorobenzene	21.2		µg/l		20.0		106	70-130		
1,4-Dichlorobenzene	21.2		µg/l		20.0		106	70-130		
Dichlorodifluoromethane (Freon12)	13.2		µg/l		20.0		66.0	36.6-187		
Dichlorodifluoromethane (Freon12)	13.2		µg/l		20.0		66.0	34.6-198		
1,1-Dichloroethane	19.7		µg/l		20.0		98.5	70-130		
1,1-Dichloroethane	19.7		µg/l		20.0		98.5	70-130		
1,2-Dichloroethane	20.5		µg/l		20.0		102	70-130		
1,2-Dichloroethane	20.5		µg/l		20.0		102	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130		
cis-1,2-Dichloroethene	20.7		µg/l		20.0		104	70-130		
cis-1,2-Dichloroethene	20.7		µg/l		20.0		104	70-130		
trans-1,2-Dichloroethene	19.8		µg/l		20.0		99.0	70-130		
trans-1,2-Dichloroethene	19.8		µg/l		20.0		99.0	70-130		
1,2-Dichloropropane	20.3		µg/l		20.0		102	70-130		
1,2-Dichloropropane	20.3		µg/l		20.0		102	70-130		
1,3-Dichloropropane	21.3		µg/l		20.0		106	70-130		
1,3-Dichloropropane	21.3		µg/l		20.0		106	70-130		
2,2-Dichloropropane	14.3		µg/l		20.0		71.5	70-130		
2,2-Dichloropropane	14.3		µg/l		20.0		71.5	70-130		
1,1-Dichloropropene	19.0		µg/l		20.0		95.0	70-130		
1,1-Dichloropropene	19.0		µg/l		20.0		95.0	70-130		
cis-1,3-Dichloropropene	17.1		µg/l		20.0		85.5	70-130		
cis-1,3-Dichloropropene	17.1		µg/l		20.0		85.5	70-130		
trans-1,3-Dichloropropene	15.6		µg/l		20.0		78.0	70-130		
trans-1,3-Dichloropropene	15.6		µg/l		20.0		78.0	70-130		
Ethylbenzene	22.1		µg/l		20.0		110	70-130		
Ethylbenzene	22.1		µg/l		20.0		110	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
LCS (6111974-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Hexachlorobutadiene	21.0		µg/l		20.0		105	63.4-142		
Hexachlorobutadiene	21.0		µg/l		20.0		105	68.7-142		
2-Hexanone (MBK)	17.7		µg/l		20.0		88.5	70-130		
2-Hexanone (MBK)	17.7		µg/l		20.0		88.5	56.3-131		
Isopropylbenzene	21.2		µg/l		20.0		106	70-130		
Isopropylbenzene	21.2		µg/l		20.0		106	70-130		
4-Isopropyltoluene	21.7		µg/l		20.0		108	70-130		
4-Isopropyltoluene	21.7		µg/l		20.0		108	70-130		
Methyl tert-butyl ether	18.7		µg/l		20.0		93.5	70-130		
Methyl tert-butyl ether	18.7		µg/l		20.0		93.5	70-130		
4-Methyl-2-pentanone (MIBK)	16.9		µg/l		20.0		84.5	51-135		
4-Methyl-2-pentanone (MIBK)	16.9		µg/l		20.0		84.5	55.2-129		
Methylene chloride	21.0		µg/l		20.0		105	70-130		
Methylene chloride	21.0		µg/l		20.0		105	70-130		
Naphthalene	20.2		µg/l		20.0		101	70-130		
Naphthalene	20.2		µg/l		20.0		101	70-130		
n-Propylbenzene	21.4		µg/l		20.0		107	70-130		
n-Propylbenzene	21.4		µg/l		20.0		107	70-130		
Styrene	22.5		µg/l		20.0		112	70-130		
Styrene	22.5		µg/l		20.0		112	70-130		
1,1,1,2-Tetrachloroethane	17.4		µg/l		20.0		87.0	70-130		
1,1,1,2-Tetrachloroethane	17.4		µg/l		20.0		87.0	70-130		
1,1,2,2-Tetrachloroethane	21.8		µg/l		20.0		109	70-130		
1,1,2,2-Tetrachloroethane	21.8		µg/l		20.0		109	70-130		
Tetrachloroethene	20.8		µg/l		20.0		104	70-130		
Tetrachloroethene	20.8		µg/l		20.0		104	70-130		
Toluene	20.9		µg/l		20.0		104	70-130		
Toluene	20.9		µg/l		20.0		104	70-130		
1,2,3-Trichlorobenzene	25.3		µg/l		20.0		126	70-130		
1,2,3-Trichlorobenzene	25.3		µg/l		20.0		126	70-130		
1,2,4-Trichlorobenzene	23.8		µg/l		20.0		119	70-130		
1,2,4-Trichlorobenzene	23.8		µg/l		20.0		119	70-130		
1,1,1-Trichloroethane	16.5		µg/l		20.0		82.5	70-130		
1,1,1-Trichloroethane	16.5		µg/l		20.0		82.5	70-130		
1,1,2-Trichloroethane	20.2		µg/l		20.0		101	70-130		
1,1,2-Trichloroethane	20.2		µg/l		20.0		101	70-130		
Trichloroethene	19.7		µg/l		20.0		98.5	70-130		
Trichloroethene	19.7		µg/l		20.0		98.5	70-130		
Trichlorofluoromethane (Freon 11)	18.7		µg/l		20.0		93.5	68-148		
Trichlorofluoromethane (Freon 11)	18.7		µg/l		20.0		93.5	63.2-153		
1,2,3-Trichloropropane	23.8		µg/l		20.0		119	70-130		
1,2,3-Trichloropropane	23.8		µg/l		20.0		119	70-130		
1,2,4-Trimethylbenzene	22.6		µg/l		20.0		113	70-130		
1,2,4-Trimethylbenzene	22.6		µg/l		20.0		113	70-130		
1,3,5-Trimethylbenzene	22.0		µg/l		20.0		110	70-130		
1,3,5-Trimethylbenzene	22.0		µg/l		20.0		110	70-130		
Vinyl chloride	30.1	QC2	µg/l		20.0		150	70-130		
Vinyl chloride	30.1	QC2	µg/l		20.0		150	70-130		
m,p-Xylene	46.7		µg/l		40.0		117	70-130		
m,p-Xylene	46.7		µg/l		40.0		117	70-130		
o-Xylene	23.2		µg/l		20.0		116	70-130		
o-Xylene	23.2		µg/l		20.0		116	70-130		
Tetrahydrofuran	17.0		µg/l		20.0		85.0	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
LCS (6111974-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Tetrahydrofuran	17.0		µg/l		20.0		85.0	70-130		
Ethyl ether	20.1		µg/l		20.0		100	57.6-132		
Ethyl ether	20.1		µg/l		20.0		100	57.2-135		
Tert-amyl methyl ether	22.7		µg/l		20.0		114	70-130		
Tert-amyl methyl ether	22.7		µg/l		20.0		114	70-130		
Ethyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130		
Ethyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130		
Di-isopropyl ether	18.2		µg/l		20.0		91.0	70-130		
Di-isopropyl ether	18.2		µg/l		20.0		91.0	70-130		
Tert-Butanol / butyl alcohol	195		µg/l		200		97.5	70-130		
Tert-Butanol / butyl alcohol	195		µg/l		200		97.5	70-130		
1,4-Dioxane	166		µg/l		200		83.0	45.2-132		
1,4-Dioxane	166		µg/l		200		83.0	41.5-136		
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*48.1*		µg/l		*50.0*		*96.2*	*70-130*		
Surrogate: Toluene-d8	*48.1*		µg/l		*50.0*		*96.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.6*		µg/l		*50.0*		*93.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.6*		µg/l		*50.0*		*93.2*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
LCS Dup (6111974-BSD1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.6		µg/l		20.0		93.0	70-130	0.539	25
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.6		µg/l		20.0		93.0	70-130	0.539	25
Acetone	19.4		µg/l		20.0		97.0	32.4-154	3.05	50
Acetone	19.4		µg/l		20.0		97.0	29.5-156	3.05	50
Acrylonitrile	22.8		µg/l		20.0		114	70-130	7.27	25
Acrylonitrile	22.8		µg/l		20.0		114	70-130	7.27	25
Benzene	20.5		µg/l		20.0		102	70-130	2.90	25
Benzene	20.5		µg/l		20.0		102	70-130	2.90	25
Bromobenzene	22.4		µg/l		20.0		112	70-130	0.897	25
Bromobenzene	22.4		µg/l		20.0		112	70-130	0.897	25
Bromochloromethane	21.0		µg/l		20.0		105	70-130	1.92	25
Bromochloromethane	21.0		µg/l		20.0		105	70-130	1.92	25
Bromodichloromethane	19.8		µg/l		20.0		99.0	70-130	0.00	25
Bromodichloromethane	19.8		µg/l		20.0		99.0	70-130	0.00	25
Bromoform	18.3		µg/l		20.0		91.5	70-130	1.10	25
Bromoform	18.3		µg/l		20.0		91.5	70-130	1.10	25
Bromomethane	18.4		µg/l		20.0		92.0	57.7-151	6.32	50
Bromomethane	18.4		µg/l		20.0		92.0	57.6-150	6.32	50
2-Butanone (MEK)	16.4		µg/l		20.0		82.0	48.9-134	5.00	50
2-Butanone (MEK)	16.4		µg/l		20.0		82.0	46.5-137	5.00	50
n-Butylbenzene	21.0		µg/l		20.0		105	70-130	0.957	25
n-Butylbenzene	21.0		µg/l		20.0		105	70-130	0.957	25
sec-Butylbenzene	22.9		µg/l		20.0		114	70-130	1.77	25
sec-Butylbenzene	22.9		µg/l		20.0		114	70-130	1.77	25
tert-Butylbenzene	22.8		µg/l		20.0		114	70-130	2.67	25
tert-Butylbenzene	22.8		µg/l		20.0		114	70-130	2.67	25
Carbon disulfide	16.4		µg/l		20.0		82.0	70-130	9.30	25
Carbon disulfide	16.4		µg/l		20.0		82.0	70-130	9.30	25
Carbon tetrachloride	13.2	QC2	µg/l		20.0		66.0	70-130	5.17	25
Carbon tetrachloride	13.2	QC2	µg/l		20.0		66.0	70-130	5.17	25
Chlorobenzene	22.5		µg/l		20.0		112	70-130	2.64	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
LCS Dup (6111974-BSD1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Chlorobenzene	22.5		µg/l		20.0		112	70-130	2.64	25
Chloroethane	17.7		µg/l		20.0		88.5	57.6-143	4.96	50
Chloroethane	17.7		µg/l		20.0		88.5	56.9-145	4.96	50
Chloroform	19.4		µg/l		20.0		97.0	70-130	1.03	25
Chloroform	19.4		µg/l		20.0		97.0	70-130	1.03	25
Chloromethane	16.0		µg/l		20.0		80.0	70-130	1.24	25
Chloromethane	16.0		µg/l		20.0		80.0	70-130	1.24	25
2-Chlorotoluene	24.0		µg/l		20.0		120	70-130	0.837	25
2-Chlorotoluene	24.0		µg/l		20.0		120	70-130	0.837	25
4-Chlorotoluene	23.0		µg/l		20.0		115	70-130	0.866	25
4-Chlorotoluene	23.0		µg/l		20.0		115	70-130	0.866	25
1,2-Dibromo-3-chloropropane	13.5	QC1	µg/l		20.0		67.5	70-130	3.64	25
1,2-Dibromo-3-chloropropane	13.5	QC1	µg/l		20.0		67.5	70-130	3.64	25
Dibromochloromethane	18.5		µg/l		20.0		92.5	62.5-139	2.19	50
Dibromochloromethane	18.5		µg/l		20.0		92.5	61.5-142	2.19	50
1,2-Dibromoethane (EDB)	20.4		µg/l		20.0		102	70-130	1.98	25
1,2-Dibromoethane (EDB)	20.4		µg/l		20.0		102	70-130	1.98	25
Dibromomethane	19.6		µg/l		20.0		98.0	70-130	0.00	25
Dibromomethane	19.6		µg/l		20.0		98.0	70-130	0.00	25
1,2-Dichlorobenzene	20.4		µg/l		20.0		102	70-130	1.94	25
1,2-Dichlorobenzene	20.4		µg/l		20.0		102	70-130	1.94	25
1,3-Dichlorobenzene	23.5		µg/l		20.0		118	70-130	0.00	25
1,3-Dichlorobenzene	23.5		µg/l		20.0		118	70-130	0.00	25
1,4-Dichlorobenzene	20.2		µg/l		20.0		101	70-130	4.83	25
1,4-Dichlorobenzene	20.2		µg/l		20.0		101	70-130	4.83	25
Dichlorodifluoromethane (Freon12)	12.5		µg/l		20.0		62.5	34.6-198	5.45	50
Dichlorodifluoromethane (Freon12)	12.5		µg/l		20.0		62.5	36.6-187	5.45	50
1,1-Dichloroethane	19.8		µg/l		20.0		99.0	70-130	0.506	25
1,1-Dichloroethane	19.8		µg/l		20.0		99.0	70-130	0.506	25
1,2-Dichloroethane	20.2		µg/l		20.0		101	70-130	0.985	25
1,2-Dichloroethane	20.2		µg/l		20.0		101	70-130	0.985	25
1,1-Dichloroethene	20.1		µg/l		20.0		100	70-130	0.995	25
1,1-Dichloroethene	20.1		µg/l		20.0		100	70-130	0.995	25
cis-1,2-Dichloroethene	20.4		µg/l		20.0		102	70-130	1.94	25
cis-1,2-Dichloroethene	20.4		µg/l		20.0		102	70-130	1.94	25
trans-1,2-Dichloroethene	18.7		µg/l		20.0		93.5	70-130	5.71	25
trans-1,2-Dichloroethene	18.7		µg/l		20.0		93.5	70-130	5.71	25
1,2-Dichloropropane	20.2		µg/l		20.0		101	70-130	0.985	25
1,2-Dichloropropane	20.2		µg/l		20.0		101	70-130	0.985	25
1,3-Dichloropropane	21.8		µg/l		20.0		109	70-130	2.79	25
1,3-Dichloropropane	21.8		µg/l		20.0		109	70-130	2.79	25
2,2-Dichloropropane	14.0		µg/l		20.0		70.0	70-130	2.12	25
2,2-Dichloropropane	14.0		µg/l		20.0		70.0	70-130	2.12	25
1,1-Dichloropropene	18.8		µg/l		20.0		94.0	70-130	1.06	25
1,1-Dichloropropene	18.8		µg/l		20.0		94.0	70-130	1.06	25
cis-1,3-Dichloropropene	17.9		µg/l		20.0		89.5	70-130	4.57	25
cis-1,3-Dichloropropene	17.9		µg/l		20.0		89.5	70-130	4.57	25
trans-1,3-Dichloropropene	15.5		µg/l		20.0		77.5	70-130	0.643	25
trans-1,3-Dichloropropene	15.5		µg/l		20.0		77.5	70-130	0.643	25
Ethylbenzene	21.6		µg/l		20.0		108	70-130	1.83	25
Ethylbenzene	21.6		µg/l		20.0		108	70-130	1.83	25
Hexachlorobutadiene	19.8		µg/l		20.0		99.0	63.4-142	5.88	50
Hexachlorobutadiene	19.8		µg/l		20.0		99.0	68.7-142	5.88	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
LCS Dup (6111974-BSD1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
2-Hexanone (MBK)	18.8		µg/l		20.0		94.0	70-130	6.03	25
2-Hexanone (MBK)	18.8		µg/l		20.0		94.0	56.3-131	6.03	25
Isopropylbenzene	21.0		µg/l		20.0		105	70-130	0.948	25
Isopropylbenzene	21.0		µg/l		20.0		105	70-130	0.948	25
4-Isopropyltoluene	21.5		µg/l		20.0		108	70-130	0.00	25
4-Isopropyltoluene	21.5		µg/l		20.0		108	70-130	0.00	25
Methyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130	1.59	25
Methyl tert-butyl ether	19.0		µg/l		20.0		95.0	70-130	1.59	25
4-Methyl-2-pentanone (MIBK)	18.0		µg/l		20.0		90.0	55.2-129	6.30	50
4-Methyl-2-pentanone (MIBK)	18.0		µg/l		20.0		90.0	51-135	6.30	50
Methylene chloride	20.1		µg/l		20.0		100	70-130	4.88	25
Methylene chloride	20.1		µg/l		20.0		100	70-130	4.88	25
Naphthalene	19.9		µg/l		20.0		99.5	70-130	1.50	25
Naphthalene	19.9		µg/l		20.0		99.5	70-130	1.50	25
n-Propylbenzene	21.7		µg/l		20.0		108	70-130	0.930	25
n-Propylbenzene	21.7		µg/l		20.0		108	70-130	0.930	25
Styrene	22.3		µg/l		20.0		112	70-130	0.00	25
Styrene	22.3		µg/l		20.0		112	70-130	0.00	25
1,1,1,2-Tetrachloroethane	17.7		µg/l		20.0		88.5	70-130	1.71	25
1,1,1,2-Tetrachloroethane	17.7		µg/l		20.0		88.5	70-130	1.71	25
1,1,2,2-Tetrachloroethane	23.1		µg/l		20.0		116	70-130	6.22	25
1,1,2,2-Tetrachloroethane	23.1		µg/l		20.0		116	70-130	6.22	25
Tetrachloroethene	20.0		µg/l		20.0		100	70-130	3.92	25
Tetrachloroethene	20.0		µg/l		20.0		100	70-130	3.92	25
Toluene	20.6		µg/l		20.0		103	70-130	0.966	25
Toluene	20.6		µg/l		20.0		103	70-130	0.966	25
1,2,3-Trichlorobenzene	24.6		µg/l		20.0		123	70-130	2.41	25
1,2,3-Trichlorobenzene	24.6		µg/l		20.0		123	70-130	2.41	25
1,2,4-Trichlorobenzene	23.0		µg/l		20.0		115	70-130	3.42	25
1,2,4-Trichlorobenzene	23.0		µg/l		20.0		115	70-130	3.42	25
1,1,1-Trichloroethane	15.9		µg/l		20.0		79.5	70-130	3.70	25
1,1,1-Trichloroethane	15.9		µg/l		20.0		79.5	70-130	3.70	25
1,1,2-Trichloroethane	21.4		µg/l		20.0		107	70-130	5.77	25
1,1,2-Trichloroethane	21.4		µg/l		20.0		107	70-130	5.77	25
Trichloroethene	19.0		µg/l		20.0		95.0	70-130	3.62	25
Trichloroethene	19.0		µg/l		20.0		95.0	70-130	3.62	25
Trichlorofluoromethane (Freon 11)	18.1		µg/l		20.0		90.5	63.2-153	3.26	50
Trichlorofluoromethane (Freon 11)	18.1		µg/l		20.0		90.5	68-148	3.26	50
1,2,3-Trichloropropane	22.8		µg/l		20.0		114	70-130	4.29	25
1,2,3-Trichloropropane	22.8		µg/l		20.0		114	70-130	4.29	25
1,2,4-Trimethylbenzene	22.6		µg/l		20.0		113	70-130	0.00	25
1,2,4-Trimethylbenzene	22.6		µg/l		20.0		113	70-130	0.00	25
1,3,5-Trimethylbenzene	22.3		µg/l		20.0		112	70-130	1.80	25
1,3,5-Trimethylbenzene	22.3		µg/l		20.0		112	70-130	1.80	25
Vinyl chloride	28.9	QC2	µg/l		20.0		144	70-130	4.08	25
Vinyl chloride	28.9	QC2	µg/l		20.0		144	70-130	4.08	25
m,p-Xylene	45.9		µg/l		40.0		115	70-130	1.72	25
m,p-Xylene	45.9		µg/l		40.0		115	70-130	1.72	25
o-Xylene	23.4		µg/l		20.0		117	70-130	0.858	25
o-Xylene	23.4		µg/l		20.0		117	70-130	0.858	25
Tetrahydrofuran	16.9		µg/l		20.0		84.5	70-130	0.590	25
Tetrahydrofuran	16.9		µg/l		20.0		84.5	70-130	0.590	25
Ethyl ether	21.8		µg/l		20.0		109	57.6-132	8.61	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
LCS Dup (6111974-BSD1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Ethyl ether	21.8		µg/l		20.0		109	57.2-135	8.61	50
Tert-amyl methyl ether	23.0		µg/l		20.0		115	70-130	0.873	25
Tert-amyl methyl ether	23.0		µg/l		20.0		115	70-130	0.873	25
Ethyl tert-butyl ether	19.5		µg/l		20.0		97.5	70-130	2.60	25
Ethyl tert-butyl ether	19.5		µg/l		20.0		97.5	70-130	2.60	25
Di-isopropyl ether	18.2		µg/l		20.0		91.0	70-130	0.00	25
Di-isopropyl ether	18.2		µg/l		20.0		91.0	70-130	0.00	25
Tert-Butanol / butyl alcohol	201		µg/l		200		100	70-130	2.53	25
Tert-Butanol / butyl alcohol	201		µg/l		200		100	70-130	2.53	25
1,4-Dioxane	182		µg/l		200		91.0	41.5-136	9.20	25
1,4-Dioxane	182		µg/l		200		91.0	45.2-132	9.20	25
Surrogate: 4-Bromofluorobenzene	*53.6*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: 4-Bromofluorobenzene	*53.6*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*49.0*		µg/l		*50.0*		*98.0*	*70-130*		
Surrogate: Toluene-d8	*49.0*		µg/l		*50.0*		*98.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.0*		µg/l		*50.0*		*94.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.0*		µg/l		*50.0*		*94.0*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Matrix Spike (6111974-MS1) **Source: SA54611-11**										
Prepared & Analyzed: 29-Nov-06										
Benzene	19.1		µg/l		20.0	BRL	95.5	70-130		
Benzene	19.1		µg/l		20.0	BRL	95.5	70-130		
Chlorobenzene	22.1		µg/l		20.0	BRL	110	70-130		
Chlorobenzene	22.1		µg/l		20.0	BRL	110	70-130		
1,1-Dichloroethene	14.6		µg/l		20.0	BRL	73.0	70-130		
1,1-Dichloroethene	14.6		µg/l		20.0	BRL	73.0	70-130		
Toluene	20.7		µg/l		20.0	0.730	99.8	70-130		
Toluene	20.7		µg/l		20.0	0.730	99.8	70-130		
Trichloroethene	16.7		µg/l		20.0	0.550	80.8	70-130		
Trichloroethene	16.7		µg/l		20.0	0.550	80.8	70-130		
Surrogate: 4-Bromofluorobenzene	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 4-Bromofluorobenzene	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*99.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.3*		µg/l		*50.0*		*92.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.3*		µg/l		*50.0*		*92.6*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Matrix Spike Dup (6111974-MSD1) **Source: SA54611-11**										
Prepared & Analyzed: 29-Nov-06										
Benzene	18.2		µg/l		20.0	BRL	91.0	70-130	4.83	30
Benzene	18.2		µg/l		20.0	BRL	91.0	70-130	4.83	30
Chlorobenzene	21.5		µg/l		20.0	BRL	108	70-130	1.83	30
Chlorobenzene	21.5		µg/l		20.0	BRL	108	70-130	1.83	30
1,1-Dichloroethene	13.7	QM7	µg/l		20.0	BRL	68.5	70-130	6.36	30
1,1-Dichloroethene	13.7	QM7	µg/l		20.0	BRL	68.5	70-130	6.36	30
Toluene	20.0		µg/l		20.0	0.730	96.4	70-130	3.47	30
Toluene	20.0		µg/l		20.0	0.730	96.4	70-130	3.47	30
Trichloroethene	16.4		µg/l		20.0	0.550	79.2	70-130	2.00	30
Trichloroethene	16.4		µg/l		20.0	0.550	79.2	70-130	2.00	30
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/l		*50.0*		*98.6*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/l		*50.0*		*98.6*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111974 - SW846 5030 Water MS										
Matrix Spike Dup (6111974-MSD1) **Source: SA54611-11**										
Prepared & Analyzed: 29-Nov-06										
Surrogate: 1,2-Dichloroethane-d4	*46.1*		µg/l		*50.0*		*92.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.1*		µg/l		*50.0*		*92.2*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99.4*	*70-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111819 - SW846 3535										
Blank (6111819-BLK1)										
Prepared: 28-Nov-06 Analyzed: 01-Dec-06										
Gasoline	BRL		mg/l	0.05						
Fuel Oil #2	BRL		mg/l	0.05						
Fuel Oil #4	BRL		mg/l	0.05						
Fuel Oil #6	BRL		mg/l	0.05						
Motor Oil	BRL		mg/l	0.05						
Aviation Fuel	BRL		mg/l	0.05						
Unidentified	BRL		mg/l	0.05						
Other Oil	BRL		mg/l	0.05						
Total Petroleum Hydrocarbons	BRL		mg/l	0.05						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.05						
Surrogate: 1-Chlorooctadecane	*0.0515*		mg/l		*0.0500*		*103*	*40-140*		
LCS (6111819-BS1)										
Prepared: 28-Nov-06 Analyzed: 01-Dec-06										
C9-C36 Aliphatic Hydrocarbons	1.8		mg/l	0.05	2.80		64.3	60-120		
Surrogate: 1-Chlorooctadecane	*0.0761*		mg/l		*0.100*		*76.1*	*60-120*		
Batch 6111825 - SW846 3550B										
Blank (6111825-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.62*		mg/kg wet		*3.33*		*78.7*	*40-140*		
LCS (6111825-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
C9-C36 Aliphatic Hydrocarbons	78.1		mg/kg wet	13.3	93.3		83.7	60-120		
Surrogate: 1-Chlorooctadecane	*2.72*		mg/kg wet		*3.33*		*81.7*	*60-120*		
Duplicate (6111825-DUP1) **Source: SA54611-07**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Gasoline	BRL		mg/kg dry	16.8		BRL				50
Fuel Oil #2	BRL		mg/kg dry	16.8		BRL				50
Fuel Oil #4	BRL		mg/kg dry	16.8		BRL				50
Fuel Oil #6	BRL		mg/kg dry	16.8		BRL				50
Motor Oil	BRL		mg/kg dry	16.8		BRL				50
Aviation Fuel	BRL		mg/kg dry	16.8		BRL				50
Unidentified	BRL		mg/kg dry	16.8		BRL				50
Other Oil	BRL		mg/kg dry	16.8		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.8		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.8		BRL				50
Surrogate: 1-Chlorooctadecane	*1.78*		mg/kg dry		*2.11*		*84.4*	*40-140*		
Matrix Spike (6111825-MS1) **Source: SA54611-07**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
C9-C36 Aliphatic Hydrocarbons	85.2		mg/kg dry	15.8	111	BRL	76.8	50-150		
Surrogate: 1-Chlorooctadecane	*3.01*		mg/kg dry		*3.96*		*76.0*	*40-140*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111825 - SW846 3550B										
Matrix Spike Dup (6111825-MSD1) **Source: SA54611-07**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
C9-C36 Aliphatic Hydrocarbons	90.3		mg/kg dry	15.9	111	BRL	81.4	50-150	5.82	30
Surrogate: 1-Chlorooctadecane	*3.14*		mg/kg dry		*3.98*		*78.9*	*40-140*		
Batch 6111827 - SW846 3550B										
Blank (6111827-BLK1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.85*		mg/kg wet		*3.33*		*116*	*40-140*		
LCS (6111827-BS1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
C9-C36 Aliphatic Hydrocarbons	74.2		mg/kg wet	13.3	93.3		79.5	60-120		
Surrogate: 1-Chlorooctadecane	*3.00*		mg/kg wet		*3.33*		*90.1*	*60-120*		
Duplicate (6111827-DUP1) **Source: SA54611-10**										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Gasoline	BRL		mg/kg dry	20.0		BRL				50
Fuel Oil #2	BRL		mg/kg dry	20.0		BRL				50
Fuel Oil #4	BRL		mg/kg dry	20.0		BRL				50
Fuel Oil #6	BRL		mg/kg dry	20.0		BRL				50
Motor Oil	BRL		mg/kg dry	20.0		BRL				50
Aviation Fuel	BRL		mg/kg dry	20.0		BRL				50
Unidentified	BRL		mg/kg dry	20.0		BRL				50
Other Oil	BRL		mg/kg dry	20.0		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	20.0		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	20.0		BRL				50
Surrogate: 1-Chlorooctadecane	*1.90*		mg/kg dry		*2.51*		*75.7*	*40-140*		
Matrix Spike (6111827-MS1) **Source: SA54611-10**										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
C9-C36 Aliphatic Hydrocarbons	97.8		mg/kg dry	16.1	113	BRL	86.5	50-150		
Surrogate: 1-Chlorooctadecane	*3.90*		mg/kg dry		*4.03*		*96.8*	*40-140*		
Matrix Spike Dup (6111827-MSD1) **Source: SA54611-10**										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
C9-C36 Aliphatic Hydrocarbons	96.3		mg/kg dry	16.3	114	BRL	84.5	50-150	2.34	30
Surrogate: 1-Chlorooctadecane	*3.61*		mg/kg dry		*4.08*		*88.5*	*40-140*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111820 - SW846 3535										
Blank (6111820-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	BRL		µg/l	0.0200						
PCB 1221	BRL		µg/l	0.0200						
PCB 1232	BRL		µg/l	0.0200						
PCB 1242	BRL		µg/l	0.0200						
PCB 1248	BRL		µg/l	0.0200						
PCB 1254	BRL		µg/l	0.0200						
PCB 1260	BRL		µg/l	0.0200						
PCB 1262	BRL		µg/l	0.0200						
PCB 1268	BRL		µg/l	0.0200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0120*		µg/l		*0.0200*		*60.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0140*		µg/l		*0.0200*		*70.0*	*30-150*		
LCS (6111820-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	2.16		µg/l	0.0200	2.50		86.4	40-140		
PCB 1260	2.55		µg/l	0.0200	2.50		102	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.121*		µg/l		*0.200*		*60.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.137*		µg/l		*0.200*		*68.5*	*30-150*		
LCS Dup (6111820-BSD1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	1.96		µg/l	0.0200	2.50		78.4	40-140	9.71	20
PCB 1260	2.86		µg/l	0.0200	2.50		114	40-140	11.1	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/l		*0.200*		*60.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.131*		µg/l		*0.200*		*65.5*	*30-150*		
Batch 6111821 - SW846 3535										
Blank (6111821-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Aldrin	BRL		µg/l	0.010						
a-BHC	BRL		µg/l	0.010						
b-BHC	BRL		µg/l	0.010						
d-BHC	BRL		µg/l	0.010						
g-BHC (Lindane)	BRL		µg/l	0.010						
Chlordane	BRL		µg/l	0.050						
4,4-DDD (p,p')	BRL		µg/l	0.010						
4,4-DDE (p,p')	BRL		µg/l	0.010						
4,4-DDT (p,p')	BRL		µg/l	0.010						
Dieldrin	BRL		µg/l	0.010						
Endosulfan I	BRL		µg/l	0.010						
Endosulfan II	BRL		µg/l	0.010						
Endosulfan Sulfate	BRL		µg/l	0.010						
Endrin	BRL		µg/l	0.010						
Endrin Aldehyde	BRL		µg/l	0.010						
Heptachlor	BRL		µg/l	0.010						
Methoxychlor	BRL		µg/l	0.010						
Heptachlor Epoxide	BRL		µg/l	0.010						
Toxaphene	BRL		µg/l	0.050						
a-Chlordane	BRL		µg/l	0.010						
g-Chlordane	BRL		µg/l	0.010						
Endrin Ketone	BRL		µg/l	0.010						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0119*		µg/l		*0.0200*		*59.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0179*		µg/l		*0.0200*		*89.5*	*30-150*		
LCS (6111821-BS1)										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111821 - SW846 3535										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Aldrin	0.019		µg/l	0.010	0.0200		95.0	40-140		
a-BHC	0.018		µg/l	0.010	0.0200		90.0	40-140		
b-BHC	0.020		µg/l	0.010	0.0200		100	40-140		
d-BHC	0.018		µg/l	0.010	0.0200		90.0	40-140		
g-BHC (Lindane)	0.019		µg/l	0.010	0.0200		95.0	40-140		
4,4-DDD (p,p')	0.020		µg/l	0.010	0.0200		100	40-140		
4,4-DDE (p,p')	0.021		µg/l	0.010	0.0200		105	40-140		
4,4-DDT (p,p')	0.021		µg/l	0.010	0.0200		105	40-140		
Dieldrin	0.020		µg/l	0.010	0.0200		100	40-140		
Endosulfan I	0.015		µg/l	0.010	0.0200		75.0	40-140		
Endosulfan II	0.020		µg/l	0.010	0.0200		100	40-140		
Endosulfan Sulfate	0.020		µg/l	0.010	0.0200		100	40-140		
Endrin	0.021		µg/l	0.010	0.0200		105	40-140		
Endrin Aldehyde	0.019		µg/l	0.010	0.0200		95.0	40-140		
Heptachlor	0.021		µg/l	0.010	0.0200		105	40-140		
Methoxychlor	0.028		µg/l	0.010	0.0200		140	40-140		
Heptachlor Epoxide	0.020		µg/l	0.010	0.0200		100	40-140		
a-Chlordane	0.024		µg/l	0.010	0.0200		120	40-140		
g-Chlordane	0.023		µg/l	0.010	0.0200		115	40-140		
Endrin Ketone	0.023		µg/l	0.010	0.0200		115	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00912*		µg/l		*0.0200*		*45.6*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0161*		µg/l		*0.0200*		*80.5*	*40-140*		
LCS Dup (6111821-BSD1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Aldrin	0.018		µg/l	0.010	0.0200		90.0	40-140	5.41	20
a-BHC	0.017		µg/l	0.010	0.0200		85.0	40-140	5.71	20
b-BHC	0.021		µg/l	0.010	0.0200		105	40-140	4.88	20
d-BHC	0.018		µg/l	0.010	0.0200		90.0	40-140	0.00	20
g-BHC (Lindane)	0.018		µg/l	0.010	0.0200		90.0	40-140	5.41	20
4,4-DDD (p,p')	0.018		µg/l	0.010	0.0200		90.0	40-140	10.5	20
4,4-DDE (p,p')	0.020		µg/l	0.010	0.0200		100	40-140	4.88	20
4,4-DDT (p,p')	0.022		µg/l	0.010	0.0200		110	40-140	4.65	20
Dieldrin	0.020		µg/l	0.010	0.0200		100	40-140	0.00	20
Endosulfan I	0.016		µg/l	0.010	0.0200		80.0	40-140	6.45	20
Endosulfan II	0.019		µg/l	0.010	0.0200		95.0	40-140	5.13	20
Endosulfan Sulfate	0.018		µg/l	0.010	0.0200		90.0	40-140	10.5	20
Endrin	0.020		µg/l	0.010	0.0200		100	40-140	4.88	20
Endrin Aldehyde	0.020		µg/l	0.010	0.0200		100	40-140	5.13	20
Heptachlor	0.020		µg/l	0.010	0.0200		100	40-140	4.88	20
Methoxychlor	0.027		µg/l	0.010	0.0200		135	40-140	3.64	20
Heptachlor Epoxide	0.020		µg/l	0.010	0.0200		100	40-140	0.00	20
a-Chlordane	0.024		µg/l	0.010	0.0200		120	40-140	0.00	20
g-Chlordane	0.024		µg/l	0.010	0.0200		120	40-140	4.26	20
Endrin Ketone	0.023		µg/l	0.010	0.0200		115	40-140	0.00	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00905*		µg/l		*0.0200*		*45.2*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0159*		µg/l		*0.0200*		*79.5*	*40-140*		
Batch 6111829 - SW846 3550B										
Blank (6111829-BLK1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Aldrin	BRL		µg/kg wet	5.00						
a-BHC	BRL		µg/kg wet	5.00						
b-BHC	BRL		µg/kg wet	5.00						
d-BHC	BRL		µg/kg wet	5.00						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111829 - SW846 3550B										
Blank (6111829-BLK1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
g-BHC (Lindane)	BRL		µg/kg wet	5.00						
Chlordane	BRL		µg/kg wet	25.0						
4,4-DDD (p,p')	BRL		µg/kg wet	5.00						
4,4-DDE (p,p')	BRL		µg/kg wet	5.00						
4,4-DDT (p,p')	BRL		µg/kg wet	5.00						
Dieldrin	BRL		µg/kg wet	5.00						
Endosulfan I	BRL		µg/kg wet	5.00						
Endosulfan II	BRL		µg/kg wet	5.00						
Endosulfan Sulfate	BRL		µg/kg wet	5.00						
Endrin	BRL		µg/kg wet	5.00						
Endrin Aldehyde	BRL		µg/kg wet	5.00						
Heptachlor	BRL		µg/kg wet	5.00						
Methoxychlor	BRL		µg/kg wet	5.00						
Heptachlor Epoxide	BRL		µg/kg wet	5.00						
Toxaphene	BRL		µg/kg wet	25.0						
a-Chlordane	BRL		µg/kg wet	5.00						
g-Chlordane	BRL		µg/kg wet	5.00						
Endrin Ketone	BRL		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.43*		µg/kg wet		*10.0*		*94.3*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.4*		µg/kg wet		*10.0*		*144*	*30-150*		
LCS (6111829-BS1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Aldrin	5.42		µg/kg wet	5.00	10.0		54.2	40-140		
a-BHC	5.27		µg/kg wet	5.00	10.0		52.7	40-140		
b-BHC	6.36		µg/kg wet	5.00	10.0		63.6	40-140		
d-BHC	2.41	Z-2	µg/kg wet	5.00	10.0		24.1	40-140		
g-BHC (Lindane)	5.44		µg/kg wet	5.00	10.0		54.4	40-140		
4,4-DDD (p,p')	5.83		µg/kg wet	5.00	10.0		58.3	40-140		
4,4-DDE (p,p')	5.89		µg/kg wet	5.00	10.0		58.9	40-140		
4,4-DDT (p,p')	6.83		µg/kg wet	5.00	10.0		68.3	40-140		
Dieldrin	6.13		µg/kg wet	5.00	10.0		61.3	40-140		
Endosulfan I	4.03		µg/kg wet	5.00	10.0		40.3	40-140		
Endosulfan II	4.83		µg/kg wet	5.00	10.0		48.3	40-140		
Endosulfan Sulfate	5.86		µg/kg wet	5.00	10.0		58.6	40-140		
Endrin	6.12		µg/kg wet	5.00	10.0		61.2	40-140		
Endrin Aldehyde	5.92		µg/kg wet	5.00	10.0		59.2	40-140		
Heptachlor	6.29		µg/kg wet	5.00	10.0		62.9	40-140		
Methoxychlor	9.02		µg/kg wet	5.00	10.0		90.2	40-140		
Heptachlor Epoxide	5.85		µg/kg wet	5.00	10.0		58.5	40-140		
a-Chlordane	6.08		µg/kg wet	5.00	10.0		60.8	40-140		
g-Chlordane	5.76		µg/kg wet	5.00	10.0		57.6	40-140		
Endrin Ketone	5.98		µg/kg wet	5.00	10.0		59.8	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.48*		µg/kg wet		*10.0*		*94.8*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*13.0*		µg/kg wet		*10.0*		*130*	*40-140*		
LCS Dup (6111829-BSD1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Aldrin	5.40		µg/kg wet	5.00	10.0		54.0	40-140	0.370	30
a-BHC	5.13		µg/kg wet	5.00	10.0		51.3	40-140	2.69	30
b-BHC	6.44		µg/kg wet	5.00	10.0		64.4	40-140	1.25	30
d-BHC	2.54	Z-2	µg/kg wet	5.00	10.0		25.4	40-140	5.25	30
g-BHC (Lindane)	5.42		µg/kg wet	5.00	10.0		54.2	40-140	0.368	30
4,4-DDD (p,p')	5.73		µg/kg wet	5.00	10.0		57.3	40-140	1.73	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111829 - SW846 3550B										
LCS Dup (6111829-BSD1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
4,4-DDE (p,p')	5.94		µg/kg wet	5.00	10.0		59.4	40-140	0.845	30
4,4-DDT (p,p')	6.87		µg/kg wet	5.00	10.0		68.7	40-140	0.584	30
Dieldrin	6.00		µg/kg wet	5.00	10.0		60.0	40-140	2.14	30
Endosulfan I	4.11		µg/kg wet	5.00	10.0		41.1	40-140	1.97	30
Endosulfan II	5.00		µg/kg wet	5.00	10.0		50.0	40-140	3.46	30
Endosulfan Sulfate	6.12		µg/kg wet	5.00	10.0		61.2	40-140	4.34	30
Endrin	6.29		µg/kg wet	5.00	10.0		62.9	40-140	2.74	30
Endrin Aldehyde	6.28		µg/kg wet	5.00	10.0		62.8	40-140	5.90	30
Heptachlor	6.09		µg/kg wet	5.00	10.0		60.9	40-140	3.23	30
Methoxychlor	8.68		µg/kg wet	5.00	10.0		86.8	40-140	3.84	30
Heptachlor Epoxide	5.96		µg/kg wet	5.00	10.0		59.6	40-140	1.86	30
a-Chlordane	5.97		µg/kg wet	5.00	10.0		59.7	40-140	1.83	30
g-Chlordane	5.97		µg/kg wet	5.00	10.0		59.7	40-140	3.58	30
Endrin Ketone	6.25		µg/kg wet	5.00	10.0		62.5	40-140	4.42	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.34*		µg/kg wet		*10.0*		*93.4*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*10.0*		*140*	*40-140*		
Duplicate (6111829-DUP1) **Source: SA54611-10**										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Aldrin	BRL		µg/kg dry	5.91		BRL				30
a-BHC	BRL		µg/kg dry	5.91		BRL				30
b-BHC	BRL		µg/kg dry	5.91		BRL				30
d-BHC	BRL		µg/kg dry	5.91		BRL				30
g-BHC (Lindane)	BRL		µg/kg dry	5.91		BRL				30
Chlordane	BRL		µg/kg dry	29.5		BRL				30
4,4-DDD (p,p')	BRL		µg/kg dry	5.91		BRL				30
4,4-DDE (p,p')	1.02	J	µg/kg dry	5.91		1.29			23.4	30
4,4-DDT (p,p')	1.04	J	µg/kg dry	5.91		0.780			28.6	30
Dieldrin	BRL		µg/kg dry	5.91		BRL				30
Endosulfan I	BRL		µg/kg dry	5.91		BRL				30
Endosulfan II	BRL		µg/kg dry	5.91		BRL				30
Endosulfan Sulfate	BRL		µg/kg dry	5.91		BRL				30
Endrin	BRL		µg/kg dry	5.91		BRL				30
Endrin Aldehyde	BRL		µg/kg dry	5.91		BRL				30
Heptachlor	BRL		µg/kg dry	5.91		BRL				30
Methoxychlor	BRL		µg/kg dry	5.91		BRL				30
Heptachlor Epoxide	BRL		µg/kg dry	5.91		BRL				30
Toxaphene	BRL		µg/kg dry	29.5		BRL				30
a-Chlordane	BRL		µg/kg dry	5.91		BRL				30
g-Chlordane	BRL		µg/kg dry	5.91		BRL				30
Endrin Ketone	BRL		µg/kg dry	5.91		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.27*		µg/kg dry		*11.8*		*44.7*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.3*		µg/kg dry		*11.8*		*87.3*	*30-150*		
Matrix Spike (6111829-MS1) **Source: SA54611-10**										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Aldrin	7.64		µg/kg dry	5.92	11.8	BRL	64.7	30-150		
a-BHC	6.63		µg/kg dry	5.92	11.8	BRL	56.2	30-150		
b-BHC	8.75		µg/kg dry	5.92	11.8	BRL	74.2	30-150		
d-BHC	3.65	Z-2	µg/kg dry	5.92	11.8	BRL	30.9	30-150		
g-BHC (Lindane)	7.06		µg/kg dry	5.92	11.8	BRL	59.8	30-150		
4,4-DDD (p,p')	7.44		µg/kg dry	5.92	11.8	BRL	63.1	30-150		
4,4-DDE (p,p')	9.42		µg/kg dry	5.92	11.8	1.29	68.9	30-150		
4,4-DDT (p,p')	11.2		µg/kg dry	5.92	11.8	0.780	88.3	30-150		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111829 - SW846 3550B										
Matrix Spike (6111829-MS1) Source: SA54611-10										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Dieldrin	8.85		µg/kg dry	5.92	11.8	BRL	75.0	30-150		
Endosulfan I	5.73		µg/kg dry	5.92	11.8	BRL	48.6	30-150		
Endosulfan II	7.74		µg/kg dry	5.92	11.8	BRL	65.6	30-150		
Endosulfan Sulfate	6.74		µg/kg dry	5.92	11.8	BRL	57.1	30-150		
Endrin	8.69		µg/kg dry	5.92	11.8	BRL	73.6	30-150		
Endrin Aldehyde	7.98		µg/kg dry	5.92	11.8	BRL	67.6	30-150		
Heptachlor	8.14		µg/kg dry	5.92	11.8	BRL	69.0	30-150		
Methoxychlor	11.1		µg/kg dry	5.92	11.8	BRL	94.1	30-150		
Heptachlor Epoxide	8.28		µg/kg dry	5.92	11.8	BRL	70.2	30-150		
a-Chlordane	9.15		µg/kg dry	5.92	11.8	BRL	77.5	30-150		
g-Chlordane	8.40		µg/kg dry	5.92	11.8	BRL	71.2	30-150		
Endrin Ketone	9.10		µg/kg dry	5.92	11.8	BRL	77.1	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.83*		µg/kg dry		*11.8*		*49.4*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.5*		µg/kg dry		*11.8*		*89.0*	*30-150*		
Matrix Spike Dup (6111829-MSD1) Source: SA54611-10										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Aldrin	6.92		µg/kg dry	5.92	11.8	BRL	58.6	30-150	9.89	30
a-BHC	6.21		µg/kg dry	5.92	11.8	BRL	52.6	30-150	6.62	30
b-BHC	8.13		µg/kg dry	5.92	11.8	BRL	68.9	30-150	7.41	30
d-BHC	3.21	Z-2	µg/kg dry	5.92	11.8	BRL	27.2	30-150	12.7	30
g-BHC (Lindane)	7.00		µg/kg dry	5.92	11.8	BRL	59.3	30-150	0.840	30
4,4-DDD (p,p')	7.12		µg/kg dry	5.92	11.8	BRL	60.3	30-150	4.54	30
4,4-DDE (p,p')	8.74		µg/kg dry	5.92	11.8	1.29	63.1	30-150	8.79	30
4,4-DDT (p,p')	10.2		µg/kg dry	5.92	11.8	0.780	79.8	30-150	10.1	30
Dieldrin	8.09		µg/kg dry	5.92	11.8	BRL	68.6	30-150	8.91	30
Endosulfan I	5.10		µg/kg dry	5.92	11.8	BRL	43.2	30-150	11.8	30
Endosulfan II	7.17		µg/kg dry	5.92	11.8	BRL	60.8	30-150	7.59	30
Endosulfan Sulfate	7.21		µg/kg dry	5.92	11.8	BRL	61.1	30-150	6.77	30
Endrin	7.98		µg/kg dry	5.92	11.8	BRL	67.6	30-150	8.50	30
Endrin Aldehyde	8.32		µg/kg dry	5.92	11.8	BRL	70.5	30-150	4.20	30
Heptachlor	7.56		µg/kg dry	5.92	11.8	BRL	64.1	30-150	7.36	30
Methoxychlor	11.6		µg/kg dry	5.92	11.8	BRL	98.3	30-150	4.37	30
Heptachlor Epoxide	7.67		µg/kg dry	5.92	11.8	BRL	65.0	30-150	7.69	30
a-Chlordane	7.67		µg/kg dry	5.92	11.8	BRL	65.0	30-150	17.5	50
g-Chlordane	7.85		µg/kg dry	5.92	11.8	BRL	66.5	30-150	6.83	50
Endrin Ketone	7.78		µg/kg dry	5.92	11.8	BRL	65.9	30-150	15.7	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.29*		µg/kg dry		*11.8*		*53.3*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.9*		µg/kg dry		*11.8*		*92.4*	*30-150*		
Batch 6111830 - SW846 3550B										
Blank (6111830-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	BRL		µg/kg wet	28.6						
PCB 1221	BRL		µg/kg wet	28.6						
PCB 1232	BRL		µg/kg wet	28.6						
PCB 1242	BRL		µg/kg wet	28.6						
PCB 1248	BRL		µg/kg wet	28.6						
PCB 1254	BRL		µg/kg wet	28.6						
PCB 1260	BRL		µg/kg wet	28.6						
PCB 1262	BRL		µg/kg wet	28.6						
PCB 1268	BRL		µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*69.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.1*		µg/kg wet		*28.6*		*94.8*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111830 - SW846 3550B										
LCS (6111830-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	337		µg/kg wet	28.6	357		94.4	40-140		
PCB 1260	317		µg/kg wet	28.6	357		88.8	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.6*		µg/kg wet		*28.6*		*100*	*30-150*		
LCS Dup (6111830-BSD1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	337		µg/kg wet	28.6	357		94.4	40-140	0.00	30
PCB 1260	324		µg/kg wet	28.6	357		90.8	40-140	2.23	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.6*		µg/kg wet		*28.6*		*100*	*30-150*		
Duplicate (6111830-DUP1) **Source: SA54610-01**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	BRL		µg/kg dry	33.3		BRL				40
PCB 1221	BRL		µg/kg dry	33.3		BRL				40
PCB 1232	BRL		µg/kg dry	33.3		BRL				40
PCB 1242	BRL		µg/kg dry	33.3		BRL				40
PCB 1248	BRL		µg/kg dry	33.3		BRL				40
PCB 1254	BRL		µg/kg dry	33.3		BRL				40
PCB 1260	BRL		µg/kg dry	33.3		BRL				40
PCB 1262	BRL		µg/kg dry	33.3		BRL				40
PCB 1268	BRL		µg/kg dry	33.3		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.3*		µg/kg dry		*33.3*		*39.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.6*		µg/kg dry		*33.3*		*64.9*	*30-150*		
Matrix Spike (6111830-MS1) **Source: SA54610-01**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	349		µg/kg dry	33.3	415	BRL	84.1	40-140		
PCB 1260	344		µg/kg dry	33.3	415	BRL	82.9	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.6*		µg/kg dry		*33.2*		*65.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.2*		µg/kg dry		*33.2*		*84.9*	*30-150*		
Matrix Spike Dup (6111830-MSD1) **Source: SA54610-01**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
PCB 1016	363		µg/kg dry	33.5	418	BRL	86.8	40-140	3.16	50
PCB 1260	341		µg/kg dry	33.5	418	BRL	81.6	40-140	1.58	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.1*		µg/kg dry		*33.4*		*75.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.7*		µg/kg dry		*33.4*		*79.9*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111818 - SW846 3510C										
Blank (6111818-BLK1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	0.050						
Aniline	BRL		µg/l	5.00						
Anthracene	BRL		µg/l	0.050						
Anthracene	BRL		µg/l	5.00						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	0.050						
Benzo (a) pyrene	BRL		µg/l	0.050						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	0.050						
Benzo (g,h,i) perylene	BRL		µg/l	0.050						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	0.050						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	0.050						
Dibenzo (a,h) anthracene	BRL		µg/l	0.050						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3'-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111818 - SW846 3510C										
Blank (6111818-BLK1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	0.050						
Fluorene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	0.050						
Hexachlorobenzene	BRL		µg/l	5.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	0.050						
2-Methylnaphthalene	BRL		µg/l	5.00						
2-Methylphenol	BRL		µg/l	5.00						
3,4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	0.050						
Naphthalene	BRL		µg/l	5.00						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	20.0						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	20.0						
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	20.0						
Phenanthrene	BRL		µg/l	0.050						
Phenanthrene	BRL		µg/l	5.00						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	0.050						
Pyridine	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	1.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	1.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	1.00						
Hexachlorobutadiene	BRL		µg/l	0.500						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*66.0*		µg/l		*100*		*66.0*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*66.0*		µg/l		*100*		*66.0*	*30-130*		
Surrogate: 2-Fluorophenol	*79.5*		µg/l		*100*		*79.5*	*15-110*		
Surrogate: Nitrobenzene-d5	*72.8*		µg/l		*100*		*72.8*	*30-130*		
Surrogate: Phenol-d5	*73.0*		µg/l		*100*		*73.0*	*15-110*		
Surrogate: Terphenyl-dl4	*75.7*		µg/l		*100*		*75.7*	*30-130*		
Surrogate: Terphenyl-dl4	*75.7*		µg/l		*100*		*75.7*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*81.7*		µg/l		*100*		*81.7*	*15-110*		
LCS (6111818-BS1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Acenaphthene	71.0		µg/l	0.050	100		71.0	40-140		
Acenaphthene	71.0		µg/l	5.00	100		71.0	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111818 - SW846 3510C										
LCS (6111818-BS1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Acenaphthylene	70.4		µg/l	0.050	100		70.4	40-140		
Acenaphthylene	70.4		µg/l	5.00	100		70.4	40-130		
Aniline	76.5		µg/l	5.00	100		76.5	40-130		
1-Methylnaphthalene	69.9		µg/l	0.050	100		69.9	40-140		
Anthracene	72.8		µg/l	5.00	100		72.8	40-130		
Anthracene	72.8		µg/l	0.050	100		72.8	40-140		
Atrazine	151		µg/l	5.00	100		151	0-200		
Azobenzene/Diphenyldiazine	76.1		µg/l	5.00	100		76.1	40-130		
Benzidine	54.5		µg/l	5.00	100		54.5	40-130		
Benzo (a) anthracene	75.6		µg/l	0.050	100		75.6	40-140		
Benzo (a) anthracene	75.6		µg/l	5.00	100		75.6	40-130		
Benzo (a) pyrene	79.0		µg/l	0.050	100		79.0	40-140		
Benzo (a) pyrene	79.0		µg/l	5.00	100		79.0	40-130		
Benzo (b) fluoranthene	79.8		µg/l	5.00	100		79.8	40-130		
Benzo (b) fluoranthene	79.8		µg/l	0.050	100		79.8	40-140		
Benzo (g,h,i) perylene	80.4		µg/l	0.050	100		80.4	40-140		
Benzo (g,h,i) perylene	80.4		µg/l	5.00	100		80.4	40-130		
Benzo (k) fluoranthene	68.3		µg/l	0.050	100		68.3	40-140		
Benzo (k) fluoranthene	68.3		µg/l	5.00	100		68.3	40-130		
Benzoic acid	92.2		µg/l	5.00	100		92.2	40-130		
Benzyl alcohol	77.4		µg/l	5.00	100		77.4	40-130		
Bis(2-chloroethoxy)methane	70.7		µg/l	5.00	100		70.7	40-130		
Bis(2-chloroethyl)ether	65.2		µg/l	5.00	100		65.2	40-130		
Bis(2-chloroisopropyl)ether	74.5		µg/l	5.00	100		74.5	40-130		
Bis(2-ethylhexyl)phthalate	77.8		µg/l	5.00	100		77.8	40-130		
4-Bromophenyl phenyl ether	74.9		µg/l	5.00	100		74.9	40-130		
Butyl benzyl phthalate	78.3		µg/l	5.00	100		78.3	40-130		
Carbazole	83.6		µg/l	5.00	100		83.6	40-130		
4-Chloro-3-methylphenol	73.3		µg/l	5.00	100		73.3	40-130		
4-Chloroaniline	63.5		µg/l	5.00	100		63.5	40-130		
2-Chloronaphthalene	65.7		µg/l	5.00	100		65.7	40-130		
2-Chlorophenol	67.5		µg/l	5.00	100		67.5	40-130		
4-Chlorophenyl phenyl ether	71.8		µg/l	5.00	100		71.8	40-130		
Chrysene	75.0		µg/l	5.00	100		75.0	40-130		
Chrysene	75.0		µg/l	0.050	100		75.0	40-140		
Dibenzo (a,h) anthracene	81.0		µg/l	0.050	100		81.0	40-140		
Dibenzo (a,h) anthracene	81.0		µg/l	5.00	100		81.0	40-130		
Dibenzofuran	65.4		µg/l	5.00	100		65.4	40-130		
1,2-Dichlorobenzene	65.7		µg/l	5.00	100		65.7	40-130		
1,3-Dichlorobenzene	62.0		µg/l	5.00	100		62.0	40-130		
1,4-Dichlorobenzene	62.9		µg/l	5.00	100		62.9	40-130		
3,3'-Dichlorobenzidine	76.3		µg/l	5.00	100		76.3	40-130		
2,4-Dichlorophenol	68.7		µg/l	5.00	100		68.7	40-130		
Diethyl phthalate	78.4		µg/l	5.00	100		78.4	40-130		
Dimethyl phthalate	71.5		µg/l	5.00	100		71.5	40-130		
2,4-Dimethylphenol	68.5		µg/l	5.00	100		68.5	40-130		
Di-n-butyl phthalate	74.9		µg/l	5.00	100		74.9	40-130		
4,6-Dinitro-2-methylphenol	90.2		µg/l	5.00	100		90.2	40-130		
2,4-Dinitrophenol	81.5		µg/l	5.00	100		81.5	40-130		
2,4-Dinitrotoluene	76.4		µg/l	5.00	100		76.4	40-130		
2,6-Dinitrotoluene	72.1		µg/l	5.00	100		72.1	40-130		
Di-n-octyl phthalate	79.9		µg/l	5.00	100		79.9	40-130		
Fluoranthene	74.7		µg/l	0.050	100		74.7	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111818 - SW846 3510C										
LCS (6111818-BS1)										
Prepared: 28-Nov-06 Analyzed: 30-Nov-06										
Fluoranthene	74.7		µg/l	5.00	100		74.7	40-130		
Fluorene	69.4		µg/l	5.00	100		69.4	40-130		
Fluorene	69.4		µg/l	0.050	100		69.4	40-140		
Hexachlorobenzene	68.1		µg/l	5.00	100		68.1	40-130		
Hexachlorobutadiene	61.7		µg/l	5.00	100		61.7	40-130		
Hexachlorocyclopentadiene	65.5		µg/l	5.00	100		65.5	40-130		
Hexachloroethane	62.1		µg/l	5.00	100		62.1	40-130		
Indeno (1,2,3-cd) pyrene	86.6		µg/l	5.00	100		86.6	40-130		
Indeno (1,2,3-cd) pyrene	86.6		µg/l	0.050	100		86.6	40-140		
Isophorone	67.1		µg/l	5.00	100		67.1	40-130		
2-Methylnaphthalene	59.4		µg/l	0.050	100		59.4	40-140		
2-Methylnaphthalene	59.4		µg/l	5.00	100		59.4	40-130		
2-Methylphenol	68.8		µg/l	5.00	100		68.8	40-130		
3,4-Methylphenol	67.0		µg/l	10.0	100		67.0	40-130		
Naphthalene	57.3		µg/l	0.050	100		57.3	40-140		
Naphthalene	57.3		µg/l	5.00	100		57.3	40-130		
2-Nitroaniline	81.8		µg/l	5.00	100		81.8	40-130		
3-Nitroaniline	71.0		µg/l	5.00	100		71.0	40-130		
4-Nitroaniline	90.6		µg/l	20.0	100		90.6	40-130		
Nitrobenzene	64.5		µg/l	5.00	100		64.5	40-130		
2-Nitrophenol	71.7		µg/l	5.00	100		71.7	40-130		
4-Nitrophenol	79.8		µg/l	20.0	100		79.8	40-130		
N-Nitrosodimethylamine	62.4		µg/l	5.00	100		62.4	40-130		
N-Nitrosodi-n-propylamine	80.9		µg/l	5.00	100		80.9	40-130		
N-Nitrosodiphenylamine	77.2		µg/l	5.00	100		77.2	40-130		
Pentachlorophenol	91.1		µg/l	20.0	100		91.1	40-130		
Phenanthrene	70.8		µg/l	5.00	100		70.8	40-130		
Phenanthrene	70.8		µg/l	0.050	100		70.8	40-140		
Phenol	72.5		µg/l	5.00	100		72.5	40-130		
Pyrene	71.4		µg/l	0.050	100		71.4	40-140		
Pyrene	71.4		µg/l	5.00	100		71.4	40-130		
Pyridine	69.7		µg/l	5.00	100		69.7	40-130		
Hexachlorobenzene	68.1		µg/l	1.00	100		68.1	40-140		
1-Methylnaphthalene	69.9		µg/l	5.00	100		69.9	40-140		
1,2,4-Trichlorobenzene	63.0		µg/l	5.00	100		63.0	40-130		
Hexachloroethane	62.1		µg/l	1.00	100		62.1	40-140		
Pentachlorophenol	91.1		µg/l	1.00	100		91.1	30-130		
2,4,5-Trichlorophenol	73.9		µg/l	5.00	100		73.9	40-130		
Hexachlorobutadiene	61.7		µg/l	0.500	100		61.7	40-140		
2,4,6-Trichlorophenol	68.1		µg/l	5.00	100		68.1	40-130		
Surrogate: 2-Fluorobiphenyl	*75.5*		µg/l		*100*		*75.5*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*75.5*		µg/l		*100*		*75.5*	*30-130*		
Surrogate: 2-Fluorophenol	*72.5*		µg/l		*100*		*72.5*	*15-110*		
Surrogate: Nitrobenzene-d5	*74.6*		µg/l		*100*		*74.6*	*30-130*		
Surrogate: Phenol-d5	*64.5*		µg/l		*100*		*64.5*	*15-110*		
Surrogate: Terphenyl-dl4	*79.7*		µg/l		*100*		*79.7*	*30-130*		
Surrogate: Terphenyl-dl4	*79.7*		µg/l		*100*		*79.7*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*86.7*		µg/l		*100*		*86.7*	*15-110*		
Batch 6111826 - SW846 3550B										
Blank (6111826-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111826 - SW846 3550B										
Blank (6111826-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3,4-Methylphenol	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111826 - SW846 3550B										
Blank (6111826-BLK1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*6300*		µg/kg wet		*6670*		*94.5*	*30-130*		
Surrogate: 2-Fluorophenol	*5860*		µg/kg wet		*6670*		*87.9*	*15-110*		
Surrogate: Nitrobenzene-d5	*6060*		µg/kg wet		*6670*		*90.9*	*30-130*		
Surrogate: Phenol-d5	*5110*		µg/kg wet		*6670*		*76.6*	*15-110*		
Surrogate: Terphenyl-d14	*6900*		µg/kg wet		*6670*		*103*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5060*		µg/kg wet		*6670*		*75.9*	*15-110*		
LCS (6111826-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Acenaphthene	4580		µg/kg wet	330	6670		68.7	40-130		
Acenaphthylene	7090		µg/kg wet	330	6670		106	40-130		
Aniline	4000		µg/kg wet	330	6670		60.0	40-130		
Anthracene	6130		µg/kg wet	330	6670		91.9	40-130		
Atrazine	5540		µg/kg wet	330	6670		83.1	40-130		
Azobenzene/Diphenyldiazine	4760		µg/kg wet	330	6670		71.4	40-130		
Benzidine	96.7	QC2	µg/kg wet	330	6670		1.45	40-130		
Benzo (a) anthracene	4430		µg/kg wet	330	6670		66.4	40-130		
Benzo (a) pyrene	4820		µg/kg wet	330	6670		72.3	40-130		
Benzo (b) fluoranthene	4910		µg/kg wet	330	6670		73.6	40-130		
Benzo (g,h,i) perylene	2810		µg/kg wet	330	6670		42.1	40-130		
Benzo (k) fluoranthene	5650		µg/kg wet	330	6670		84.7	40-130		
Benzoic acid	2930		µg/kg wet	330	6670		43.9	40-130		
Benzyl alcohol	3030		µg/kg wet	330	6670		45.4	40-130		
Bis(2-chloroethoxy)methane	3620		µg/kg wet	330	6670		54.3	40-130		
Bis(2-chloroethyl)ether	4410		µg/kg wet	330	6670		66.1	40-130		
Bis(2-chloroisopropyl)ether	4810		µg/kg wet	330	6670		72.1	40-130		
Bis(2-ethylhexyl)phthalate	4730		µg/kg wet	330	6670		70.9	40-130		
4-Bromophenyl phenyl ether	5080		µg/kg wet	330	6670		76.2	40-130		
Butyl benzyl phthalate	4600		µg/kg wet	330	6670		69.0	40-130		
Carbazole	6340		µg/kg wet	330	6670		95.1	40-130		
4-Chloro-3-methylphenol	3670		µg/kg wet	330	6670		55.0	40-130		
4-Chloroaniline	3540		µg/kg wet	330	6670		53.1	40-130		
2-Chloronaphthalene	4310		µg/kg wet	330	6670		64.6	40-130		
2-Chlorophenol	4590		µg/kg wet	330	6670		68.8	40-130		
4-Chlorophenyl phenyl ether	5020		µg/kg wet	330	6670		75.3	40-130		
Chrysene	4780		µg/kg wet	330	6670		71.7	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111826 - SW846 3550B										
LCS (6111826-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Dibenzo (a,h) anthracene	2940		µg/kg wet	330	6670		44.1	40-130		
Dibenzofuran	4550		µg/kg wet	330	6670		68.2	40-130		
1,2-Dichlorobenzene	4180		µg/kg wet	330	6670		62.7	40-130		
1,3-Dichlorobenzene	3390		µg/kg wet	330	6670		50.8	40-130		
1,4-Dichlorobenzene	3830		µg/kg wet	330	6670		57.4	40-130		
3,3'-Dichlorobenzidine	3580		µg/kg wet	330	6670		53.7	40-130		
2,4-Dichlorophenol	3500		µg/kg wet	330	6670		52.5	40-130		
Diethyl phthalate	4910		µg/kg wet	330	6670		73.6	40-130		
Dimethyl phthalate	4800		µg/kg wet	330	6670		72.0	40-130		
2,4-Dimethylphenol	3230		µg/kg wet	330	6670		48.4	40-130		
Di-n-butyl phthalate	4780		µg/kg wet	330	6670		71.7	40-130		
4,6-Dinitro-2-methylphenol	1010	QC2	µg/kg wet	330	6670		15.1	40-130		
2,4-Dinitrophenol	813	QC2	µg/kg wet	330	6670		12.2	40-130		
2,4-Dinitrotoluene	4020		µg/kg wet	330	6670		60.3	40-130		
2,6-Dinitrotoluene	4600		µg/kg wet	330	6670		69.0	40-130		
Di-n-octyl phthalate	7870		µg/kg wet	330	6670		118	40-130		
Fluoranthene	4670		µg/kg wet	330	6670		70.0	40-130		
Fluorene	4830		µg/kg wet	330	6670		72.4	40-130		
Hexachlorobenzene	4640		µg/kg wet	330	6670		69.6	40-130		
Hexachlorobutadiene	3680		µg/kg wet	330	6670		55.2	40-130		
Hexachlorocyclopentadiene	1000	QC2	µg/kg wet	330	6670		15.0	40-130		
Hexachloroethane	3660		µg/kg wet	330	6670		54.9	40-130		
Indeno (1,2,3-cd) pyrene	2860		µg/kg wet	330	6670		42.9	40-130		
1-Methylnaphthalene	4750		µg/kg wet	330	6670		71.2	40-140		
Isophorone	3490		µg/kg wet	330	6670		52.3	40-130		
2-Methylnaphthalene	3330		µg/kg wet	330	6670		49.9	40-130		
2-Methylphenol	3930		µg/kg wet	330	6670		58.9	40-130		
3,4-Methylphenol	4750		µg/kg wet	330	6670		71.2	40-130		
Naphthalene	3810		µg/kg wet	330	6670		57.1	40-130		
2-Nitroaniline	4330		µg/kg wet	330	6670		64.9	40-130		
3-Nitroaniline	4650		µg/kg wet	330	6670		69.7	40-130		
4-Nitroaniline	5580		µg/kg wet	1320	6670		83.7	40-130		
Nitrobenzene	3170		µg/kg wet	330	6670		47.5	40-130		
2-Nitrophenol	2790		µg/kg wet	330	6670		41.8	40-130		
4-Nitrophenol	5130		µg/kg wet	1320	6670		76.9	40-130		
N-Nitrosodimethylamine	4270		µg/kg wet	330	6670		64.0	40-130		
N-Nitrosodi-n-propylamine	4810		µg/kg wet	330	6670		72.1	40-130		
N-Nitrosodiphenylamine	5250		µg/kg wet	330	6670		78.7	40-130		
Pentachlorophenol	3300		µg/kg wet	330	6670		49.5	40-130		
Phenanthrene	4680		µg/kg wet	330	6670		70.2	40-130		
Phenol	4080		µg/kg wet	330	6670		61.2	40-130		
Pyrene	4330		µg/kg wet	330	6670		64.9	40-130		
Pyridine	3180		µg/kg wet	330	6670		47.7	40-130		
1,2,4-Trichlorobenzene	3320		µg/kg wet	330	6670		49.8	40-130		
2,4,5-Trichlorophenol	5070		µg/kg wet	330	6670		76.0	40-130		
2,4,6-Trichlorophenol	3900		µg/kg wet	330	6670		58.5	40-130		
1,4-Dichlorobenzene-d4	40.0		µg/kg wet		40.0		78.2	50-200		
Naphthalene-d8	40.0		µg/kg wet		40.0		118	50-200		
Acenaphthene-d10	40.0		µg/kg wet		40.0		101	50-200		
Phenanthrene-d10	40.0		µg/kg wet		40.0		100	50-200		
Chrysene-d12	40.0		µg/kg wet		40.0		92.1	50-200		
Perylene-d12	40.0		µg/kg wet		40.0		70.8	50-200		
Surrogate: 2-Fluorobiphenyl	*6010*		µg/kg wet		*6670*		*90.1*	*30-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111826 - SW846 3550B										
LCS (6111826-BS1)										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Surrogate: 2-Fluorophenol	*4680*		µg/kg wet		*6670*		*70.2*	*15-110*		
Surrogate: Nitrobenzene-d5	*4530*		µg/kg wet		*6670*		*67.9*	*30-130*		
Surrogate: Phenol-d5	*4680*		µg/kg wet		*6670*		*70.2*	*15-110*		
Surrogate: Terphenyl-dl4	*6050*		µg/kg wet		*6670*		*90.7*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5920*		µg/kg wet		*6670*		*88.8*	*15-110*		
Duplicate (6111826-DUP1) **Source: SA54611-07**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Acenaphthene	BRL		µg/kg dry	417		BRL				50
Acenaphthylene	BRL		µg/kg dry	417		BRL				50
Aniline	BRL		µg/kg dry	417		BRL				50
Anthracene	BRL		µg/kg dry	417		BRL				50
Atrazine	BRL		µg/kg dry	417		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	417		BRL				50
Benzidine	BRL		µg/kg dry	417		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	417		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	417		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	417		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	417		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	417		BRL				50
Benzoic acid	BRL		µg/kg dry	417		BRL				50
Benzyl alcohol	BRL		µg/kg dry	417		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	417		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	417		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	417		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	417		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	417		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	417		BRL				50
Carbazole	BRL		µg/kg dry	417		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	417		BRL				50
4-Chloroaniline	BRL		µg/kg dry	417		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	417		BRL				50
2-Chlorophenol	BRL		µg/kg dry	417		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	417		BRL				50
Chrysene	BRL		µg/kg dry	417		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	417		BRL				50
Dibenzofuran	BRL		µg/kg dry	417		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	417		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	417		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	417		BRL				50
3,3'-Dichlorobenzidine	BRL		µg/kg dry	417		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	417		BRL				50
Diethyl phthalate	BRL		µg/kg dry	417		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	417		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	417		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	417		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	417		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	417		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	417		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	417		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	417		BRL				50
Fluoranthene	BRL		µg/kg dry	417		BRL				50
Fluorene	BRL		µg/kg dry	417		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	417		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111826 - SW846 3550B										
Duplicate (6111826-DUP1) **Source: SA54611-07**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Hexachlorobutadiene	BRL		µg/kg dry	417		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	417		BRL				50
Hexachloroethane	BRL		µg/kg dry	417		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	417		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	417		BRL				50
Isophorone	BRL		µg/kg dry	417		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	417		BRL				50
2-Methylphenol	BRL		µg/kg dry	417		BRL				50
3,4-Methylphenol	BRL		µg/kg dry	417		BRL				50
Naphthalene	BRL		µg/kg dry	417		BRL				50
2-Nitroaniline	BRL		µg/kg dry	417		BRL				50
3-Nitroaniline	BRL		µg/kg dry	417		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1670		BRL				50
Nitrobenzene	BRL		µg/kg dry	417		BRL				50
2-Nitrophenol	BRL		µg/kg dry	417		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1670		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	417		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	417		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	417		BRL				50
Pentachlorophenol	BRL		µg/kg dry	417		BRL				50
Phenanthrene	BRL		µg/kg dry	417		BRL				50
Phenol	BRL		µg/kg dry	417		BRL				50
Pyrene	BRL		µg/kg dry	417		BRL				50
Pyridine	BRL		µg/kg dry	417		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	417		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	417		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	417		BRL				50
Surrogate: 2-Fluorobiphenyl	*3900*		µg/kg dry		*4210*		*92.6*	*30-130*		
Surrogate: 2-Fluorophenol	*3140*		µg/kg dry		*4210*		*74.6*	*15-110*		
Surrogate: Nitrobenzene-d5	*3860*		µg/kg dry		*4210*		*91.7*	*30-130*		
Surrogate: Phenol-d5	*3610*		µg/kg dry		*4210*		*85.7*	*15-110*		
Surrogate: Terphenyl-dl4	*4600*		µg/kg dry		*4210*		*109*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2660*		µg/kg dry		*4210*		*63.2*	*15-110*		
Matrix Spike (6111826-MS1) **Source: SA54611-07**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Acenaphthene	2550		µg/kg dry	208	4200	BRL	60.7	40-140		
4-Chloro-3-methylphenol	4780		µg/kg dry	208	8400	BRL	56.9	30-130		
2-Chlorophenol	4670		µg/kg dry	208	8400	BRL	55.6	30-130		
1,4-Dichlorobenzene	2160		µg/kg dry	208	4200	BRL	51.4	40-140		
2,4-Dinitrotoluene	2120		µg/kg dry	208	4200	BRL	50.5	40-140		
4-Nitrophenol	1880	QM7	µg/kg dry	831	8400	BRL	22.4	30-130		
N-Nitrosodi-n-propylamine	2120		µg/kg dry	208	4200	BRL	50.5	40-140		
Pentachlorophenol	3590		µg/kg dry	208	8400	BRL	42.7	30-130		
Phenol	4440		µg/kg dry	208	8400	BRL	52.9	30-130		
Pyrene	2810		µg/kg dry	208	4200	BRL	66.9	40-140		
1,2,4-Trichlorobenzene	2160		µg/kg dry	208	4200	BRL	51.4	40-140		
1,4-Dichlorobenzene-d4	40.0		µg/kg dry		40.0		64.1	50-200		
Naphthalene-d8	40.0		µg/kg dry		40.0		84.8	50-200		
Acenaphthene-d10	40.0		µg/kg dry		40.0		88.2	50-200		
Phenanthrene-d10	40.0		µg/kg dry		40.0		89.7	50-200		
Chrysene-d12	40.0		µg/kg dry		40.0		73.4	50-200		
Perylene-d12	40.0		µg/kg dry		40.0		61.2	50-200		
Surrogate: 2-Fluorobiphenyl	*2630*		µg/kg dry		*4200*		*62.6*	*30-130*		
Surrogate: 2-Fluorophenol	*2250*		µg/kg dry		*4200*		*53.6*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111826 - SW846 3550B										
Matrix Spike (6111826-MS1) Source: SA54611-07										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Surrogate: Nitrobenzene-d5	*2420*		µg/kg dry		*4200*		*57.6*	*30-130*		
Surrogate: Phenol-d5	*1950*		µg/kg dry		*4200*		*46.4*	*15-110*		
Surrogate: Terphenyl-dl4	*3200*		µg/kg dry		*4200*		*76.2*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2540*		µg/kg dry		*4200*		*60.5*	*15-110*		
Matrix Spike Dup (6111826-MSD1) Source: SA54611-07										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Acenaphthene	2730		µg/kg dry	207	4190	BRL	65.2	40-140	7.15	30
4-Chloro-3-methylphenol	5090		µg/kg dry	207	8380	BRL	60.7	30-130	6.46	30
2-Chlorophenol	5020		µg/kg dry	207	8380	BRL	59.9	30-130	7.45	30
1,4-Dichlorobenzene	2320		µg/kg dry	207	4190	BRL	55.4	40-140	7.49	30
2,4-Dinitrotoluene	2160		µg/kg dry	207	4190	BRL	51.6	40-140	2.15	30
4-Nitrophenol	1960	QM7	µg/kg dry	830	8380	BRL	23.4	30-130	4.37	30
N-Nitrosodi-n-propylamine	2270		µg/kg dry	207	4190	BRL	54.2	40-140	7.07	30
Pentachlorophenol	3720		µg/kg dry	207	8380	BRL	44.4	30-130	3.90	30
Phenol	4390		µg/kg dry	207	8380	BRL	52.4	30-130	0.950	30
Pyrene	2970		µg/kg dry	207	4190	BRL	70.9	40-140	5.81	30
1,2,4-Trichlorobenzene	2310		µg/kg dry	207	4190	BRL	55.1	40-140	6.95	30
Surrogate: 2-Fluorobiphenyl	*2830*		µg/kg dry		*4190*		*67.5*	*30-130*		
Surrogate: 2-Fluorophenol	*2410*		µg/kg dry		*4190*		*57.5*	*15-110*		
Surrogate: Nitrobenzene-d5	*2460*		µg/kg dry		*4190*		*58.7*	*30-130*		
Surrogate: Phenol-d5	*2090*		µg/kg dry		*4190*		*49.9*	*15-110*		
Surrogate: Terphenyl-dl4	*3400*		µg/kg dry		*4190*		*81.1*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2700*		µg/kg dry		*4190*		*64.4*	*15-110*		
Batch 6111828 - SW846 3550B										
Blank (6111828-BLK1)										
Prepared & Analyzed: 28-Nov-06										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111828 - SW846 3550B										
Blank (6111828-BLK1)										
Prepared & Analyzed: 28-Nov-06										
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3,4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*4840*		µg/kg wet		*6670*		*72.6*	*30-130*		
Surrogate: 2-Fluorophenol	*4640*		µg/kg wet		*6670*		*69.6*	*15-110*		
Surrogate: Nitrobenzene-d5	*4040*		µg/kg wet		*6670*		*60.6*	*30-130*		
Surrogate: Phenol-d5	*4250*		µg/kg wet		*6670*		*63.7*	*15-110*		
Surrogate: Terphenyl-dl4	*4350*		µg/kg wet		*6670*		*65.2*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*7010*		µg/kg wet		*6670*		*105*	*15-110*		
LCS (6111828-BS1)										

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111828 - SW846 3550B										
Prepared & Analyzed: 28-Nov-06										
Acenaphthene	4170		µg/kg wet	330	6670		62.5	40-130		
Acenaphthylene	4220		µg/kg wet	330	6670		63.3	40-130		
Aniline	3400		µg/kg wet	330	6670		51.0	40-130		
Anthracene	4690		µg/kg wet	330	6670		70.3	40-130		
Atrazine	5460		µg/kg wet	330	6670		81.9	40-130		
Azobenzene/Diphenyldiazine	3440		µg/kg wet	330	6670		51.6	40-130		
Benzidine	263	QC2	µg/kg wet	330	6670		3.94	40-130		
Benzo (a) anthracene	4560		µg/kg wet	330	6670		68.4	40-130		
Benzo (a) pyrene	4310		µg/kg wet	330	6670		64.6	40-130		
Benzo (b) fluoranthene	4310		µg/kg wet	330	6670		64.6	40-130		
Benzo (g,h,i) perylene	4380		µg/kg wet	330	6670		65.7	40-130		
Benzo (k) fluoranthene	4150		µg/kg wet	330	6670		62.2	40-130		
Benzoic acid	4740		µg/kg wet	330	6670		71.1	40-130		
Benzyl alcohol	4640		µg/kg wet	330	6670		69.6	40-130		
Bis(2-chloroethoxy)methane	4590		µg/kg wet	330	6670		68.8	40-130		
Bis(2-chloroethyl)ether	3860		µg/kg wet	330	6670		57.9	40-130		
Bis(2-chloroisopropyl)ether	5640		µg/kg wet	330	6670		84.6	40-130		
Bis(2-ethylhexyl)phthalate	4040		µg/kg wet	330	6670		60.6	40-130		
4-Bromophenyl phenyl ether	5770		µg/kg wet	330	6670		86.5	40-130		
Butyl benzyl phthalate	4140		µg/kg wet	330	6670		62.1	40-130		
Carbazole	5650		µg/kg wet	330	6670		84.7	40-130		
4-Chloro-3-methylphenol	5250		µg/kg wet	330	6670		78.7	40-130		
4-Chloroaniline	3950		µg/kg wet	330	6670		59.2	40-130		
2-Chloronaphthalene	4160		µg/kg wet	330	6670		62.4	40-130		
2-Chlorophenol	4250		µg/kg wet	330	6670		63.7	40-130		
4-Chlorophenyl phenyl ether	4820		µg/kg wet	330	6670		72.3	40-130		
Chrysene	4740		µg/kg wet	330	6670		71.1	40-130		
Dibenzo (a,h) anthracene	4290		µg/kg wet	330	6670		64.3	40-130		
Dibenzofuran	4200		µg/kg wet	330	6670		63.0	40-130		
1,2-Dichlorobenzene	4460		µg/kg wet	330	6670		66.9	40-130		
1,3-Dichlorobenzene	4310		µg/kg wet	330	6670		64.6	40-130		
1,4-Dichlorobenzene	4360		µg/kg wet	330	6670		65.4	40-130		
3,3'-Dichlorobenzidine	3500		µg/kg wet	330	6670		52.5	40-130		
2,4-Dichlorophenol	5410		µg/kg wet	330	6670		81.1	40-130		
Diethyl phthalate	4300		µg/kg wet	330	6670		64.5	40-130		
Dimethyl phthalate	4890		µg/kg wet	330	6670		73.3	40-130		
2,4-Dimethylphenol	4880		µg/kg wet	330	6670		73.2	40-130		
Di-n-butyl phthalate	4530		µg/kg wet	330	6670		67.9	40-130		
4,6-Dinitro-2-methylphenol	4400		µg/kg wet	330	6670		66.0	40-130		
2,4-Dinitrophenol	4430		µg/kg wet	330	6670		66.4	40-130		
2,4-Dinitrotoluene	4760		µg/kg wet	330	6670		71.4	40-130		
2,6-Dinitrotoluene	4520		µg/kg wet	330	6670		67.8	40-130		
Di-n-octyl phthalate	3430		µg/kg wet	330	6670		51.4	40-130		
Fluoranthene	5240		µg/kg wet	330	6670		78.6	40-130		
Fluorene	3980		µg/kg wet	330	6670		59.7	40-130		
Hexachlorobenzene	5490		µg/kg wet	330	6670		82.3	40-130		
Hexachlorobutadiene	5570		µg/kg wet	330	6670		83.5	40-130		
Hexachlorocyclopentadiene	5300		µg/kg wet	330	6670		79.5	40-130		
Hexachloroethane	4500		µg/kg wet	330	6670		67.5	40-130		
Indeno (1,2,3-cd) pyrene	4440		µg/kg wet	330	6670		66.6	40-130		
1-Methylnaphthalene	4190		µg/kg wet	330	6670		62.8	40-140		
Isophorone	4210		µg/kg wet	330	6670		63.1	40-130		
2-Methylnaphthalene	4600		µg/kg wet	330	6670		69.0	40-130		
2-Methylphenol	3520		µg/kg wet	330	6670		52.8	40-130		
3,4-Methylphenol	4650		µg/kg wet	330	6670		69.7	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111828 - SW846 3550B										
LCS (6111828-BS1)										
Prepared & Analyzed: 28-Nov-06										
Naphthalene	4530		µg/kg wet	330	6670		67.9	40-130		
2-Nitroaniline	4720		µg/kg wet	330	6670		70.8	40-130		
3-Nitroaniline	3710		µg/kg wet	330	6670		55.6	40-130		
4-Nitroaniline	4480		µg/kg wet	1320	6670		67.2	40-130		
Nitrobenzene	3320		µg/kg wet	330	6670		49.8	40-130		
2-Nitrophenol	4310		µg/kg wet	330	6670		64.6	40-130		
4-Nitrophenol	4560		µg/kg wet	1320	6670		68.4	40-130		
N-Nitrosodimethylamine	3360		µg/kg wet	330	6670		50.4	40-130		
N-Nitrosodi-n-propylamine	3990		µg/kg wet	330	6670		59.8	40-130		
N-Nitrosodiphenylamine	4350		µg/kg wet	330	6670		65.2	40-130		
Pentachlorophenol	6700		µg/kg wet	330	6670		100	40-130		
Phenanthrene	4580		µg/kg wet	330	6670		68.7	40-130		
Phenol	3710		µg/kg wet	330	6670		55.6	40-130		
Pyrene	4120		µg/kg wet	330	6670		61.8	40-130		
Pyridine	3210		µg/kg wet	330	6670		48.1	40-130		
1,2,4-Trichlorobenzene	5150		µg/kg wet	330	6670		77.2	40-130		
2,4,5-Trichlorophenol	5210		µg/kg wet	330	6670		78.1	40-130		
2,4,6-Trichlorophenol	4630		µg/kg wet	330	6670		69.4	40-130		
Surrogate: 2-Fluorobiphenyl	*4680*		µg/kg wet		*6670*		*70.2*	*30-130*		
Surrogate: 2-Fluorophenol	*4260*		µg/kg wet		*6670*		*63.9*	*15-110*		
Surrogate: Nitrobenzene-d5	*4520*		µg/kg wet		*6670*		*67.8*	*30-130*		
Surrogate: Phenol-d5	*3640*		µg/kg wet		*6670*		*54.6*	*15-110*		
Surrogate: Terphenyl-dl4	*5030*		µg/kg wet		*6670*		*75.4*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*6910*		µg/kg wet		*6670*		*104*	*15-110*		
Duplicate (6111828-DUP1) **Source: SA54611-10**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Acenaphthene	BRL		µg/kg dry	497		BRL				50
Acenaphthylene	BRL		µg/kg dry	497		BRL				50
Aniline	BRL		µg/kg dry	497		BRL				50
Anthracene	BRL		µg/kg dry	497		BRL				50
Atrazine	BRL		µg/kg dry	497		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	497		BRL				50
Benzidine	BRL		µg/kg dry	497		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	497		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	497		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	497		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	497		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	497		BRL				50
Benzoic acid	BRL		µg/kg dry	497		BRL				50
Benzyl alcohol	BRL		µg/kg dry	497		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	497		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	497		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	497		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	497		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	497		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	497		BRL				50
Carbazole	BRL		µg/kg dry	497		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	497		BRL				50
4-Chloroaniline	BRL		µg/kg dry	497		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	497		BRL				50
2-Chlorophenol	BRL		µg/kg dry	497		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	497		BRL				50
Chrysene	BRL		µg/kg dry	497		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111828 - SW846 3550B										
Duplicate (6111828-DUP1) **Source: SA54611-10**										
Prepared: 28-Nov-06 Analyzed: 29-Nov-06										
Dibenzo (a,h) anthracene	BRL		µg/kg dry	497		BRL				50
Dibenzofuran	BRL		µg/kg dry	497		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	497		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	497		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	497		BRL				50
3,3'-Dichlorobenzidine	BRL		µg/kg dry	497		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	497		BRL				50
Diethyl phthalate	BRL		µg/kg dry	497		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	497		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	497		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	497		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	497		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	497		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	497		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	497		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	497		BRL				50
Fluoranthene	BRL		µg/kg dry	497		BRL				50
Fluorene	BRL		µg/kg dry	497		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	497		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	497		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	497		BRL				50
Hexachloroethane	BRL		µg/kg dry	497		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	497		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	497		BRL				50
Isophorone	BRL		µg/kg dry	497		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	497		BRL				50
2-Methylphenol	BRL		µg/kg dry	497		BRL				50
3,4-Methylphenol	BRL		µg/kg dry	497		BRL				50
Naphthalene	BRL		µg/kg dry	497		BRL				50
2-Nitroaniline	BRL		µg/kg dry	497		BRL				50
3-Nitroaniline	BRL		µg/kg dry	497		BRL				50
4-Nitroaniline	BRL		µg/kg dry	497		BRL				50
Nitrobenzene	BRL		µg/kg dry	1990		BRL				50
2-Nitrophenol	BRL		µg/kg dry	497		BRL				50
4-Nitrophenol	BRL		µg/kg dry	497		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	1990		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	497		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	497		BRL				50
Pentachlorophenol	BRL		µg/kg dry	497		BRL				50
Phenanthrene	BRL		µg/kg dry	497		BRL				50
Phenol	BRL		µg/kg dry	497		BRL				50
Pyrene	BRL		µg/kg dry	497		BRL				50
Pyridine	BRL		µg/kg dry	497		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	497		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	497		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	497		BRL				50
Surrogate: 2-Fluorobiphenyl	*4340*		µg/kg dry		*5020*		*86.5*	*30-130*		
Surrogate: 2-Fluorophenol	*3920*		µg/kg dry		*5020*		*78.1*	*15-110*		
Surrogate: Nitrobenzene-d5	*3100*		µg/kg dry		*5020*		*61.8*	*30-130*		
Surrogate: Phenol-d5	*3020*		µg/kg dry		*5020*		*60.2*	*15-110*		
Surrogate: Terphenyl-dl4	*5070*		µg/kg dry		*5020*		*101*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5250*		µg/kg dry		*5020*		*105*	*15-110*		
Matrix Spike (6111828-MS1) **Source: SA54611-10**										

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111828 - SW846 3550B										
Prepared & Analyzed: 28-Nov-06										
Acenaphthene	2560		µg/kg dry	246	4980	BRL	51.4	40-140		
4-Chloro-3-methylphenol	3170		µg/kg dry	246	4980	BRL	63.7	30-130		
2-Chlorophenol	2600		µg/kg dry	246	4980	BRL	52.2	30-130		
1,4-Dichlorobenzene	2660		µg/kg dry	246	4980	BRL	53.4	40-140		
2,4-Dinitrotoluene	2860		µg/kg dry	246	4980	BRL	57.4	40-140		
4-Nitrophenol	2920		µg/kg dry	986	4980	BRL	58.6	30-130		
N-Nitrosodi-n-propylamine	2500		µg/kg dry	246	4980	BRL	50.2	40-140		
Pentachlorophenol	4370		µg/kg dry	246	4980	BRL	87.8	30-130		
Phenol	2270		µg/kg dry	246	4980	BRL	45.6	30-130		
Pyrene	2550		µg/kg dry	246	4980	BRL	51.2	40-140		
1,2,4-Trichlorobenzene	3100		µg/kg dry	246	4980	BRL	62.2	40-140		
Surrogate: 2-Fluorobiphenyl	*3330*		µg/kg dry		*4980*		*66.9*	*30-130*		
Surrogate: 2-Fluorophenol	*3080*		µg/kg dry		*4980*		*61.8*	*15-110*		
Surrogate: Nitrobenzene-d5	*3300*		µg/kg dry		*4980*		*66.3*	*30-130*		
Surrogate: Phenol-d5	*2680*		µg/kg dry		*4980*		*53.8*	*15-110*		
Surrogate: Terphenyl-dl4	*3520*		µg/kg dry		*4980*		*70.7*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5360*		µg/kg dry		*4980*		*108*	*15-110*		
Matrix Spike Dup (6111828-MSD1) **Source: SA54611-10**										
Prepared & Analyzed: 28-Nov-06										
Acenaphthene	2630		µg/kg dry	248	5010	BRL	52.5	40-140	2.12	30
4-Chloro-3-methylphenol	3390		µg/kg dry	248	5010	BRL	67.7	30-130	6.09	30
2-Chlorophenol	2710		µg/kg dry	248	5010	BRL	54.1	30-130	3.57	30
1,4-Dichlorobenzene	2700		µg/kg dry	248	5010	BRL	53.9	40-140	0.932	30
2,4-Dinitrotoluene	3000		µg/kg dry	248	5010	BRL	59.9	40-140	4.26	30
4-Nitrophenol	2940		µg/kg dry	992	5010	BRL	58.7	30-130	0.171	30
N-Nitrosodi-n-propylamine	2670		µg/kg dry	248	5010	BRL	53.3	40-140	5.99	30
Pentachlorophenol	4550		µg/kg dry	248	5010	BRL	90.8	30-130	3.36	30
Phenol	2480		µg/kg dry	248	5010	BRL	49.5	30-130	8.20	30
Pyrene	2730		µg/kg dry	248	5010	BRL	54.5	40-140	6.24	30
1,2,4-Trichlorobenzene	3130		µg/kg dry	248	5010	BRL	62.5	40-140	0.481	30
Surrogate: 2-Fluorobiphenyl	*3900*		µg/kg dry		*5010*		*77.8*	*30-130*		
Surrogate: 2-Fluorophenol	*4020*		µg/kg dry		*5010*		*80.2*	*15-110*		
Surrogate: Nitrobenzene-d5	*4090*		µg/kg dry		*5010*		*81.6*	*30-130*		
Surrogate: Phenol-d5	*3410*		µg/kg dry		*5010*		*68.1*	*15-110*		
Surrogate: Terphenyl-dl4	*4250*		µg/kg dry		*5010*		*84.8*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5710*	SGC	µg/kg dry		*5010*		*114*	*15-110*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111913 - EPA200/SW7000 Series										
Blank (6111913-BLK1)										
Prepared & Analyzed: 29-Nov-06										
Mercury	BRL		mg/kg wet	0.0290						
Duplicate (6111913-DUP1)	**Source: SA54574-01**									
Prepared & Analyzed: 29-Nov-06										
Mercury	0.0433		mg/kg dry	0.0334		0.0359			18.7	35
Matrix Spike (6111913-MS1)	**Source: SA54610-01**									
Prepared & Analyzed: 29-Nov-06										
Mercury	0.588	QM8	mg/kg dry	0.0337	0.468	0.249	72.4	75-125		
Matrix Spike (6111913-MS2)	**Source: SA54611-10**									
Prepared & Analyzed: 29-Nov-06										
Mercury	0.843		mg/kg dry	0.0366	0.508	0.301	107	75-125		
Post Spike (6111913-PS1)	**Source: SA54610-01**									
Prepared & Analyzed: 29-Nov-06										
Mercury	0.634		mg/kg dry	0.0334	0.465	0.249	82.8	75-125		
Reference (6111913-SRM1)										
Prepared & Analyzed: 29-Nov-06										
Mercury	0.902		mg/kg wet	0.0300	1.09		82.8	68.2-132.1		
Batch 6112008 - SW846 3005A										
Blank (6112008-BLK1)										
Prepared & Analyzed: 30-Nov-06										
Lead	BRL		mg/l	0.0075						
Selenium	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0040						
Silver	BRL		mg/l	0.0075						
Barium	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
LCS (6112008-BS1)										
Prepared & Analyzed: 30-Nov-06										
Lead	0.489		mg/l	0.0075	0.500		97.8	85-115		
Selenium	0.483		mg/l	0.0150	0.500		96.6	85-115		
Silver	0.430		mg/l	0.0075	0.500		86.0	85-115		
Barium	0.522		mg/l	0.0050	0.500		104	85-115		
Arsenic	0.476		mg/l	0.0040	0.500		95.2	85-115		
Chromium	0.500		mg/l	0.0050	0.500		100	85-115		
Cadmium	0.508		mg/l	0.0025	0.500		102	85-115		
LCS Dup (6112008-BSD1)										
Prepared & Analyzed: 30-Nov-06										
Selenium	0.492		mg/l	0.0150	0.500		98.4	85-115	1.85	20
Lead	0.498		mg/l	0.0075	0.500		99.6	85-115	1.82	20
Barium	0.538		mg/l	0.0050	0.500		108	85-115	3.02	20
Arsenic	0.485		mg/l	0.0040	0.500		97.0	85-115	1.87	20
Silver	0.440		mg/l	0.0075	0.500		88.0	85-115	2.30	20
Cadmium	0.519		mg/l	0.0025	0.500		104	85-115	2.14	20
Chromium	0.512		mg/l	0.0050	0.500		102	85-115	2.37	20
Duplicate (6112008-DUP1)	**Source: SA54611-11**									
Prepared & Analyzed: 30-Nov-06										
Lead	0.0092		mg/l	0.0075		0.0095			3.21	20
Selenium	BRL		mg/l	0.0150		BRL				20

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* Reportable Detection Limit BRL = Below Reporting Limit

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6112008 - SW846 3005A										
Duplicate (6112008-DUP1)	**Source: SA54611-11**									
Prepared & Analyzed: 30-Nov-06										
Barium	0.152		mg/l	0.0050		0.142			6.80	20
Silver	0.0069	J	mg/l	0.0075		0.0058			17.3	20
Arsenic	BRL		mg/l	0.0040		BRL				20
Cadmium	0.0004	J	mg/l	0.0025		0.0004			0.00	20
Chromium	0.0128		mg/l	0.0050		0.0127			0.784	20
Matrix Spike (6112008-MS1)	**Source: SA54611-11**									
Prepared & Analyzed: 30-Nov-06										
Lead	0.486		mg/l	0.0075	0.500	0.0095	95.3	75-125		
Selenium	0.498		mg/l	0.0150	0.500	BRL	99.6	75-125		
Arsenic	0.496		mg/l	0.0040	0.500	BRL	99.2	75-125		
Silver	0.448		mg/l	0.0075	0.500	0.0058	88.4	75-125		
Barium	0.675		mg/l	0.0050	0.500	0.142	107	75-125		
Chromium	0.507		mg/l	0.0050	0.500	0.0127	98.9	75-125		
Cadmium	0.500		mg/l	0.0025	0.500	0.0004	99.9	75-125		
Matrix Spike Dup (6112008-MSD1)	**Source: SA54611-11**									
Prepared & Analyzed: 30-Nov-06										
Selenium	0.499		mg/l	0.0150	0.500	BRL	99.8	75-125	0.201	20
Lead	0.489		mg/l	0.0075	0.500	0.0095	95.9	75-125	0.615	20
Silver	0.453		mg/l	0.0075	0.500	0.0058	89.4	75-125	1.11	20
Arsenic	0.495		mg/l	0.0040	0.500	BRL	99.0	75-125	0.202	20
Barium	0.679		mg/l	0.0050	0.500	0.142	107	75-125	0.591	20
Cadmium	0.502		mg/l	0.0025	0.500	0.0004	100	75-125	0.399	20
Chromium	0.508		mg/l	0.0050	0.500	0.0127	99.1	75-125	0.197	20
Post Spike (6112008-PS1)	**Source: SA54611-11**									
Prepared & Analyzed: 30-Nov-06										
Lead	0.488		mg/l	0.0075	0.500	0.0095	95.7	80-120		
Selenium	0.497		mg/l	0.0150	0.500	BRL	99.4	80-120		
Silver	0.454		mg/l	0.0075	0.500	0.0058	89.6	80-120		
Arsenic	0.495		mg/l	0.0040	0.500	BRL	99.0	80-120		
Barium	0.674		mg/l	0.0050	0.500	0.142	106	80-120		
Chromium	0.505		mg/l	0.0050	0.500	0.0127	98.5	80-120		
Cadmium	0.502		mg/l	0.0025	0.500	0.0004	100	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111912 - EPA 200 Series										
Blank (6111912-BLK1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Silver	BRL		mg/kg wet	0.922						
Selenium	BRL		mg/kg wet	1.38						
Arsenic	BRL		mg/kg wet	1.38						
Cadmium	BRL		mg/kg wet	0.230						
Chromium	BRL		mg/kg wet	0.461						
Lead	0.830	QB1	mg/kg wet	0.691						
Barium	BRL		mg/kg wet	0.461						
LCS (6111912-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Silver	127		mg/kg wet	1.00	125		102	85-115		
Selenium	123		mg/kg wet	1.50	125		98.4	85-115		
Cadmium	124		mg/kg wet	0.250	125		99.2	85-115		
Arsenic	115		mg/kg wet	1.50	125		92.0	85-115		
Lead	118		mg/kg wet	0.750	125		94.4	85-115		
Chromium	147	QC1	mg/kg wet	0.500	125		118	85-115		
Barium	138		mg/kg wet	0.500	125		110	85-115		
Duplicate (6111912-DUP1) **Source: SA54574-01**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Silver	BRL		mg/kg dry	1.10		BRL				20
Selenium	1.08	J	mg/kg dry	1.65		0.885			19.8	20
Cadmium	0.739		mg/kg dry	0.276		0.675			9.05	20
Arsenic	2.93	QR1	mg/kg dry	1.65		2.16			30.3	20
Chromium	23.8		mg/kg dry	0.551		22.3			6.51	20
Lead	215		mg/kg dry	0.827		198			8.23	20
Barium	57.2		mg/kg dry	0.551		55.1			3.74	20
Matrix Spike (6111912-MS1) **Source: SA54610-01**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Silver	134		mg/kg dry	1.12	140	BRL	95.7	70-130		
Selenium	121		mg/kg dry	1.68	140	1.55	85.3	70-130		
Arsenic	123		mg/kg dry	1.68	140	4.14	84.9	70-130		
Cadmium	124		mg/kg dry	0.280	140	1.70	87.4	70-130		
Lead	508	QM7	mg/kg dry	0.839	140	456	37.1	70-130		
Chromium	163		mg/kg dry	0.560	140	21.2	101	70-130		
Barium	537		mg/kg dry	0.560	140	388	106	70-130		
Matrix Spike (6111912-MS2) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Silver	143		mg/kg dry	1.13	142	BRL	101	70-130		
Selenium	122		mg/kg dry	1.70	142	1.59	84.8	70-130		
Arsenic	133		mg/kg dry	1.70	142	9.92	86.7	70-130		
Chromium	176		mg/kg dry	0.567	142	25.2	106	70-130		
Cadmium	131		mg/kg dry	0.284	142	0.545	91.9	70-130		
Lead	205		mg/kg dry	0.851	142	79.8	88.2	70-130		
Barium	287		mg/kg dry	0.567	142	142	102	70-130		
Post Spike (6111912-PS1) **Source: SA54610-01**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Silver	2.48		mg/kg dry		2.50	0.00657	98.9	85-115		
Selenium	2.31		mg/kg dry		2.50	0.0276	91.3	85-115		
Cadmium	2.26		mg/kg dry		2.50	0.0302	89.2	85-115		
Arsenic	2.30		mg/kg dry		2.50	0.0737	89.1	85-115		
Chromium	3.00		mg/kg dry		2.50	0.377	105	85-115		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111912 - EPA 200 Series										
Reference (6111912-SRM1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Silver	75.6		mg/kg wet	1.00	62.7		121	61.2-139		
Selenium	87.2		mg/kg wet	1.50	88.1		99.0	75.7-124.3		
Arsenic	119		mg/kg wet	1.50	131		90.8	79.8-120.2		
Cadmium	58.2		mg/kg wet	0.250	59.6		97.7	81.5-118.8		
Chromium	41.2		mg/kg wet	0.500	37.1		111	78.6-121.4		
Lead	78.3		mg/kg wet	0.750	84.6		92.6	80.7-119.3		
Barium	252		mg/kg wet	0.500	240		105	82-118.1		
Batch 6111915 - EPA 200 Series										
Blank (6111915-BLK1)										
Prepared & Analyzed: 30-Nov-06										
Mercury	BRL		mg/l	0.00020						
LCS (6111915-BS1)										
Prepared & Analyzed: 30-Nov-06										
Mercury	0.00206		mg/l	0.00020	0.00250		82.4	80-120		
Duplicate (6111915-DUP1) **Source: SA54396-01**										
Prepared & Analyzed: 30-Nov-06										
Mercury	BRL		mg/l	0.00020		0.00006				20
Matrix Spike (6111915-MS1) **Source: SA54400-01**										
Prepared & Analyzed: 30-Nov-06										
Mercury	0.00239		mg/l	0.00020	0.00250	BRL	95.6	75-125		
Matrix Spike Dup (6111915-MSD1) **Source: SA54400-01**										
Prepared & Analyzed: 30-Nov-06										
Mercury	0.00232		mg/l	0.00020	0.00250	BRL	92.8	75-125	2.97	20
Post Spike (6111915-PS1) **Source: SA54400-01**										
Prepared & Analyzed: 30-Nov-06										
Mercury	0.00237		mg/l	0.00020	0.00250	BRL	94.8	75-125		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111953 - SW846 3010A										
Blank (6111953-BLK1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Lead	BRL		mg/l	0.0075						
Selenium	BRL		mg/l	0.0150						
Silver	BRL		mg/l	0.0100						
Cadmium	BRL		mg/l	0.0025						
Arsenic	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0050						
Barium	BRL		mg/l	0.0050						
LCS (6111953-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Selenium	1.16		mg/l	0.0150	1.25		92.8	67.3-113		
Lead	1.20		mg/l	0.0075	1.25		96.0	72.8-111		
Arsenic	1.18		mg/l	0.0150	1.25		94.4	68.7-111		
Cadmium	1.26		mg/l	0.0025	1.25		101	71.8-121		
Silver	1.11		mg/l	0.0100	1.25		88.8	56.1-118		
Chromium	1.26		mg/l	0.0050	1.25		101	72-119		
Barium	1.31		mg/l	0.0050	1.25		105	77.1-125		
LCS Dup (6111953-BSD1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Selenium	1.20		mg/l	0.0150	1.25		96.0	67.3-113	3.39	20
Lead	1.22		mg/l	0.0075	1.25		97.6	72.8-111	1.65	20
Silver	1.12		mg/l	0.0100	1.25		89.6	56.1-118	0.897	20
Arsenic	1.21		mg/l	0.0150	1.25		96.8	68.7-111	2.51	20
Cadmium	1.29		mg/l	0.0025	1.25		103	71.8-121	2.35	20
Chromium	1.28		mg/l	0.0050	1.25		102	72-119	1.57	20
Barium	1.31		mg/l	0.0050	1.25		105	77.1-125	0.00	20
Duplicate (6111953-DUP1) **Source: SA54611-09**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Lead	0.0042	J	mg/l	0.0075		0.0042			0.00	20
Selenium	BRL		mg/l	0.0150		BRL				20
Cadmium	BRL		mg/l	0.0025		BRL				20
Arsenic	BRL		mg/l	0.0150		BRL				20
Silver	BRL		mg/l	0.0100		BRL				20
Chromium	BRL		mg/l	0.0050		BRL				20
Barium	0.0228		mg/l	0.0050		0.0193			16.6	20
Matrix Spike (6111953-MS1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Selenium	1.12		mg/l	0.0150	1.25	BRL	89.6	73-113		
Lead	1.15		mg/l	0.0075	1.25	0.0033	91.7	81-107		
Cadmium	1.22		mg/l	0.0025	1.25	BRL	97.6	81.1-115		
Silver	1.07		mg/l	0.0100	1.25	BRL	85.6	63.7-113		
Arsenic	1.14		mg/l	0.0150	1.25	BRL	91.2	76.7-109		
Chromium	1.21		mg/l	0.0050	1.25	BRL	96.8	83.1-112		
Barium	1.28		mg/l	0.0050	1.25	0.0181	101	85.6-121		
Matrix Spike Dup (6111953-MSD1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Lead	1.20		mg/l	0.0075	1.25	0.0033	95.7	81-107	4.26	20
Selenium	1.16		mg/l	0.0150	1.25	BRL	92.8	73-113	3.51	35
Cadmium	1.26		mg/l	0.0025	1.25	BRL	101	81.1-115	3.23	35
Silver	1.12		mg/l	0.0100	1.25	BRL	89.6	63.7-113	4.57	35
Arsenic	1.18		mg/l	0.0150	1.25	BRL	94.4	76.7-109	3.45	35

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111953 - SW846 3010A										
Matrix Spike Dup (6111953-MSD1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Chromium	1.27		mg/l	0.0050	1.25	BRL	102	83.1-112	4.84	35
Barium	1.34		mg/l	0.0050	1.25	0.0181	106	85.6-121	4.58	35
Post Spike (6111953-PS1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Selenium	1.15		mg/l	0.0150	1.25	BRL	92.0	80-120		
Lead	1.19		mg/l	0.0075	1.25	0.0033	94.9	80-120		
Silver	1.07		mg/l	0.0100	1.25	BRL	85.6	80-120		
Arsenic	1.17		mg/l	0.0150	1.25	BRL	93.6	80-120		
Cadmium	1.25		mg/l	0.0025	1.25	BRL	100	80-120		
Chromium	1.25		mg/l	0.0050	1.25	BRL	100	80-120		
Barium	1.32		mg/l	0.0050	1.25	0.0181	104	80-120		
Batch 6111954 - EPA200/SW7000 Series										
Blank (6111954-BLK1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	BRL		mg/l	0.00040						
LCS (6111954-BS1)										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	0.00236		mg/l	0.00040	0.00250		94.4	65.5-119		
Duplicate (6111954-DUP1) **Source: SA54611-09**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	BRL		mg/l	0.00040		BRL				35
Matrix Spike (6111954-MS1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	0.00213		mg/l	0.00040	0.00250	BRL	85.2	62.8-125		
Matrix Spike Dup (6111954-MSD1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	0.00242		mg/l	0.00040	0.00250	BRL	96.8	62.8-125	12.7	35
Post Spike (6111954-PS1) **Source: SA54611-10**										
Prepared: 29-Nov-06 Analyzed: 30-Nov-06										
Mercury	0.00223		mg/l	0.00040	0.00250	BRL	89.2	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6111927 - General Preparation										
Duplicate (6111927-DUP1) **Source: SA54731-01**										
Prepared & Analyzed: 29-Nov-06										
% Solids	91.7		%			91.1			0.656	20

Notes and Definitions

*TPH	Calculated as
Comp	Completed
FP	Field Preserved
QB1	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.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR5	RPD out of acceptance range.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
vex2	Field extracted
Z-2	The recovery of d-BHC was outside of the acceptance range due to a breakdown of d-BHC within the spike mixture. The CCC is within acceptable limits which demonstrates that the problem lies with the mixture, not the instrumentation.
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.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

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 samples prior to analysis. Percent recoveries are calculated for each surrogate.

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

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA	Project Name and Number:
Project Location: Busway Newington Junction - CT	Busway Newington Junction - CT/ 171-305
This Form Provides certifications for the following data set: SA54611-01 SA54611-11 SA54611-02 SA54611-12 SA54611-03 SA54611-04 SA54611-05 SA54611-06 SA54611-07 SA54611-08 SA54611-09 SA54611-10	List Specific Analytical Methods Used: +CT ETPH EPA 200.7 EPA 245.1/7470A SM2540 G Mod. SW 846 8260B SW846 1312 SW846 1312/6010B SW846 1312/7470A SW846 6010B SW846 7471A SW846 8081A SW846-8082 SW846 8260B SW846 8270C SW846 8270C/EPA 625 : VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☐ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

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

Date: 12/1/2006

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

* Reportable Detection Limit BRL = Below Reporting Limit

SA54611

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

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

Report To: C. Knight
LES
954 S River Rd.
Tolland CT 06084
Project Mgr.: David Stack - MCE

Invoice To: CTDOT DAS Contract
c/o LES
P.O. No.: _____ RQN: _____

Project No.: 171-305
Site Name: Busway Project
Location: Newington Junction State: CT
Sampler(s): C. Knight / C. Ciscado

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other _____

State specific reporting standards: CTDEP GB PMC + RDEC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	CT ETPH	SVOCs + Pesticides 8270 / 8081A	PCBs - 8082	Tot. RCRA 8 Metals	SPLP RCRA 8 Metals		
SA 54611-01	NJ-1 0-2'	11-21-06		G	SO		3	1			X	X	X	X	X	X		
02	NJ-2 0-2'																	
03	NJ-3 1-2'																	
04	NJ-4 2-4'																	
05	NJ-5 2-4'																	
06	NJ-6 0-2'																	
07	NJ-7 4-8'																	
08	NJ-12 0-2'																	
09	NJ-20 2-4'																	
10	NJ-30 2-4'																	

☐ Fax results when available to (____) _____
☒ E-mail to ck@logicalenvironmental.com
EDD Format PDF
Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 4

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11/22/06	1244
[signature]	[signature]	11/22/06	1431

CLR

SAS4611

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

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

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Project Mgr.: D. Stack - MOT

Invoice To: CTDOT - DAS Contract
c/o LES

P.O. No.: _____ RQN: _____

Project No.: 171-305
Site Name: Busway Project
Location: Newington Junction State: CT
Sampler(s): C. Knight / C. Cascardi

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Blank Water X2= _____ X3= _____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other _____

State specific reporting standards: CTDEP GB PMC + RDEC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs-8260	CT ETPH	SVOCs + Peaks 8270 / 8010A	PCBs - 8082	Total RCRA 8 Metals			
SAS4611-11	NJ-4 GW	11-21-06		G	GW		3	4		1		X	X	X	X	X			
12	TB-3	↓			X1		1					X							

☐ Fax results when available to (____) _____
☒ E-mail to ck elegislenvironmental.com
EDD Format PDF

Condition upon receipt: ☒ Iced ☐ Ambient ☒ 4 °C CCR

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11/22/06	1244
[signature]	[signature]	11/22/06	14:57

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-2 SA54993-21	171-305	Blank Water	03-Dec-06 00:00	04-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	SW846 8260B	06-Dec-06	06-Dec-06	6120321	ek
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	1.3	V11	µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*103*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*96.6*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*93.2*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3510C											
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	06-Dec-06	07-Dec-06	6120313	DS
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	"
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	"
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	"
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*97.6*		*40-140 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
83-32-9	Acenaphthene	BRL		µg/l	5.88	1	SW846 8270C	05-Dec-06	07-Dec-06	6120258	M.B

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-2 SA54993-21	171-305	Blank Water	03-Dec-06 00:00	04-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
208-96-8	Acenaphthylene	BRL		µg/l	5.88	1	SW846 8270C	05-Dec-06	07-Dec-06	6120258	M.B
62-53-3	Aniline	BRL		µg/l	5.88	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	5.88	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/l	5.88	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.88	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/l	5.88	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.88	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.88	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.88	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.88	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.88	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/l	5.88	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/l	5.88	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.88	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.88	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.88	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.88	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.88	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.88	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/l	5.88	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.88	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/l	5.88	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.88	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/l	5.88	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.88	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/l	5.88	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.88	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/l	5.88	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.88	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.88	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.88	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.88	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.88	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	5.88	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	5.88	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.88	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.88	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.88	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.88	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.88	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.88	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.88	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	5.88	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/l	5.88	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/l	5.88	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.88	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.88	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/l	5.88	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.88	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/l	5.88	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-2	171-305	Blank Water	03-Dec-06 00:00	04-Dec-06
SA54993-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.88	1	SW846 8270C	05-Dec-06	07-Dec-06	6120258	M.B
95-48-7	2-Methylphenol	BRL		µg/l	5.88	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/l	11.8	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	5.88	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/l	5.88	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/l	5.88	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/l	23.5	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/l	5.88	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/l	5.88	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/l	23.5	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.88	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.88	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.88	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	23.5	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/l	5.88	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/l	5.88	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	5.88	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/l	5.88	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.88	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.88	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.88	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.88	1	"	"	"	"	"
3855-82-1	1,4-Dichlorobenzene-d4	47.1		µg/l		1	"	"	"	"	"
1146-65-2	Naphthalene-d8	47.1		µg/l		1	"	"	"	"	"
15067-26-2	Acenaphthene-d10	47.1		µg/l		1	"	"	"	"	"
1517-22-2	Phenanthrene-d10	47.1		µg/l		1	"	"	"	"	"
1719-03-5	Chrysene-d12	47.1		µg/l		1	"	"	"	"	"
1520-96-3	Perylene-d12	47.1		µg/l		1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*77.9*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*68.9*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*56.3*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*54.9*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*93.5*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*72.6*		*15-110 %*			"	"	"	"	"
SVOCs by SW846 8270C SIM											
Prepared by method SW846 3510C											
83-32-9	Acenaphthene	BRL		µg/l	0.050	1	SW846 8270C/EPA 625 SIM	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/l	0.050	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	0.050	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.050	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/l	0.050	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-2 SA54993-21	171-305	Blank Water	03-Dec-06 00:00	04-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
SVOCs by SW846 8270C SIM											
Prepared by method SW846 3510C											
86-73-7	Fluorene	BRL		µg/l	0.050	1	SW846 8270C/EPA 625 SIM	05-Dec-06	07-Dec-06	6120258	M.B
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	0.050	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/l	0.050	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	0.050	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/l	1.00	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	1.00	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.500	1	"	"	"	"	"
3855-82-1	1,4-Dichlorobenzene-d4	47.1		µg/l		1	"	"	"	"	"
1146-65-2	Naphthalene-d8	47.1		µg/l		1	"	"	"	"	"
15067-26-2	Acenaphthene-d10	47.1		µg/l		1	"	"	"	"	"
1517-22-2	Phenanthrene-d10	47.1		µg/l		1	"	"	"	"	"
1719-03-5	Chrysene-d12	47.1		µg/l		1	"	"	"	"	"
1520-96-3	Perylene-d12	47.1		µg/l		1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*77.9*		*30-130 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*93.5*		*30-130 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 6010B	05-Dec-06	05-Dec-06	6120196	LR
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	"
7440-39-3	Barium	0.0066		mg/l	0.0050	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	05-Dec-06	05-Dec-06	6120197	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-4 SA54993-22	171-305	Blank Water	03-Dec-06 00:00	04-Dec-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Frec 113)	BRL		µg/l	1.0	1	SW846 8260B	06-Dec-06	06-Dec-06	6120321	ek
67-64-1	Acetone	BRL		µg/l	20.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-4 SA54993-22	171-305	Blank Water	03-Dec-06 00:00	04-Dec-06

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds by SW846 8260B											
Prepared by method SW846 5030 Water MS											
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	SW846 8260B	06-Dec-06	06-Dec-06	6120321	ek
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*105*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*96.8*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*92.8*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*98.0*		*70-130 %*			"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120294 - SW846 5035A Soil (low level)										
Blank (6120294-BLK1)										
Prepared & Analyzed: 05-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	100						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120294 - SW846 5035A Soil (low level)										
Blank (6120294-BLK1)										
Prepared & Analyzed: 05-Dec-06										
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*52.6*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/kg wet		*50.0*		*97.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.3*		µg/kg wet		*50.0*		*121*	*70-130*		
Surrogate: Dibromofluoromethane	*56.4*		µg/kg wet		*50.0*		*113*	*70-130*		
LCS (6120294-BS1)										
Prepared & Analyzed: 05-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.5		µg/kg wet		20.0		102	70-130		
Acetone	4.8		µg/kg wet		20.0		24.0	3.31-159		
Acrylonitrile	15.2		µg/kg wet		20.0		76.0	70-130		
Benzene	18.8		µg/kg wet		20.0		94.0	70-130		
Bromobenzene	19.8		µg/kg wet		20.0		99.0	70-130		
Bromochloromethane	19.2		µg/kg wet		20.0		96.0	70-130		
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromoform	20.5		µg/kg wet		20.0		102	70-130		
Bromomethane	18.5		µg/kg wet		20.0		92.5	50-140		
2-Butanone (MEK)	14.1		µg/kg wet		20.0		70.5	47.7-127		
n-Butylbenzene	17.5		µg/kg wet		20.0		87.5	70-130		
sec-Butylbenzene	21.1		µg/kg wet		20.0		106	70-130		
tert-Butylbenzene	22.3		µg/kg wet		20.0		112	70-130		
Carbon disulfide	21.6		µg/kg wet		20.0		108	70-130		
Carbon tetrachloride	19.5		µg/kg wet		20.0		97.5	70-130		
Chlorobenzene	18.5		µg/kg wet		20.0		92.5	70-130		
Chloroethane	19.7		µg/kg wet		20.0		98.5	55.9-135		
Chloroform	19.3		µg/kg wet		20.0		96.5	70-130		
Chloromethane	14.6		µg/kg wet		20.0		73.0	70-130		
2-Chlorotoluene	21.5		µg/kg wet		20.0		108	70-130		
4-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dibromo-3-chloropropane	17.2		µg/kg wet		20.0		86.0	70-130		
Dibromochloromethane	19.1		µg/kg wet		20.0		95.5	72-125		
1,2-Dibromoethane (EDB)	20.0		µg/kg wet		20.0		100	70-130		
Dibromomethane	18.5		µg/kg wet		20.0		92.5	70-130		
1,2-Dichlorobenzene	18.7		µg/kg wet		20.0		93.5	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120294 - SW846 5035A Soil (low level)										
LCS (6120294-BS1)										
Prepared & Analyzed: 05-Dec-06										
1,3-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
1,4-Dichlorobenzene	17.8		µg/kg wet		20.0		89.0	70-130		
Dichlorodifluoromethane (Freon12)	15.1		µg/kg wet		20.0		75.5	42.3-190		
1,1-Dichloroethane	18.2		µg/kg wet		20.0		91.0	70-130		
1,2-Dichloroethane	18.2		µg/kg wet		20.0		91.0	70-130		
1,1-Dichloroethene	17.8		µg/kg wet		20.0		89.0	70-130		
cis-1,2-Dichloroethene	19.9		µg/kg wet		20.0		99.5	70-130		
trans-1,2-Dichloroethene	18.4		µg/kg wet		20.0		92.0	70-130		
1,2-Dichloropropane	18.7		µg/kg wet		20.0		93.5	70-130		
1,3-Dichloropropane	19.1		µg/kg wet		20.0		95.5	70-130		
2,2-Dichloropropane	18.0		µg/kg wet		20.0		90.0	70-130		
1,1-Dichloropropene	19.1		µg/kg wet		20.0		95.5	70-130		
cis-1,3-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130		
trans-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94.5	70-130		
Ethylbenzene	19.5		µg/kg wet		20.0		97.5	70-130		
Hexachlorobutadiene	19.8		µg/kg wet		20.0		99.0	70-137		
2-Hexanone (MBK)	11.8	QC1	µg/kg wet		20.0		59.0	70-130		
Isopropylbenzene	20.2		µg/kg wet		20.0		101	70-130		
4-Isopropyltoluene	19.3		µg/kg wet		20.0		96.5	70-130		
Methyl tert-butyl ether	18.1		µg/kg wet		20.0		90.5	70-130		
4-Methyl-2-pentanone (MIBK)	14.3		µg/kg wet		20.0		71.5	48.5-127		
Methylene chloride	20.2		µg/kg wet		20.0		101	70-130		
Naphthalene	20.1		µg/kg wet		20.0		100	70-130		
n-Propylbenzene	21.5		µg/kg wet		20.0		108	70-130		
Styrene	18.7		µg/kg wet		20.0		93.5	70-130		
1,1,1,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130		
1,1,2,2-Tetrachloroethane	18.2		µg/kg wet		20.0		91.0	70-130		
Tetrachloroethene	18.0		µg/kg wet		20.0		90.0	70-130		
Toluene	17.2		µg/kg wet		20.0		86.0	70-130		
1,2,3-Trichlorobenzene	19.8		µg/kg wet		20.0		99.0	70-130		
1,2,4-Trichlorobenzene	19.4		µg/kg wet		20.0		97.0	70-130		
1,1,1-Trichloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1,2-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130		
Trichloroethene	17.3		µg/kg wet		20.0		86.5	70-130		
Trichlorofluoromethane (Freon 11)	18.9		µg/kg wet		20.0		94.5	66.5-144		
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	20.5		µg/kg wet		20.0		102	70-130		
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98.0	70-130		
Vinyl chloride	20.4		µg/kg wet		20.0		102	70-130		
m,p-Xylene	40.2		µg/kg wet		40.0		100	70-130		
o-Xylene	21.0		µg/kg wet		20.0		105	70-130		
Tetrahydrofuran	14.4		µg/kg wet		20.0		72.0	70-130		
Ethyl ether	18.8		µg/kg wet		20.0		94.0	64.9-123		
Tert-amyl methyl ether	22.6		µg/kg wet		20.0		113	70-130		
Ethyl tert-butyl ether	19.4		µg/kg wet		20.0		97.0	70-130		
Di-isopropyl ether	15.3		µg/kg wet		20.0		76.5	70-130		
Tert-Butanol / butyl alcohol	142		µg/kg wet		200		71.0	70-130		
1,4-Dioxane	186		µg/kg wet		200		93.0	40-134		
Surrogate: 4-Bromofluorobenzene	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*49.1*		µg/kg wet		*50.0*		*98.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*52.4*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS Dup (6120294-BSD1)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120294 - SW846 5035A Soil (low level)										
Prepared & Analyzed: 05-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/kg wet		20.0		98.0	70-130	4.00	25
Acetone	1.4	QR5	µg/kg wet		20.0		7.00	3.31-159	110	50
Acrylonitrile	14.3		µg/kg wet		20.0		71.5	70-130	6.10	25
Benzene	17.7		µg/kg wet		20.0		88.5	70-130	6.03	25
Bromobenzene	19.9		µg/kg wet		20.0		99.5	70-130	0.504	25
Bromochloromethane	18.0		µg/kg wet		20.0		90.0	70-130	6.45	25
Bromodichloromethane	19.2		µg/kg wet		20.0		96.0	70-130	4.08	25
Bromoform	19.3		µg/kg wet		20.0		96.5	70-130	5.54	25
Bromomethane	15.2		µg/kg wet		20.0		76.0	50-140	19.6	50
2-Butanone (MEK)	15.3		µg/kg wet		20.0		76.5	47.7-127	8.16	50
n-Butylbenzene	18.0		µg/kg wet		20.0		90.0	70-130	2.82	25
sec-Butylbenzene	20.0		µg/kg wet		20.0		100	70-130	5.83	25
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	9.35	25
Carbon disulfide	16.9		µg/kg wet		20.0		84.5	70-130	24.4	25
Carbon tetrachloride	17.2		µg/kg wet		20.0		86.0	70-130	12.5	25
Chlorobenzene	18.6		µg/kg wet		20.0		93.0	70-130	0.539	25
Chloroethane	17.3		µg/kg wet		20.0		86.5	55.9-135	13.0	50
Chloroform	17.2		µg/kg wet		20.0		86.0	70-130	11.5	25
Chloromethane	14.7		µg/kg wet		20.0		73.5	70-130	0.683	25
2-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130	5.71	25
4-Chlorotoluene	19.8		µg/kg wet		20.0		99.0	70-130	2.00	25
1,2-Dibromo-3-chloropropane	23.0	QR5	µg/kg wet		20.0		115	70-130	28.9	25
Dibromochloromethane	19.8		µg/kg wet		20.0		99.0	72-125	3.60	50
1,2-Dibromoethane (EDB)	20.1		µg/kg wet		20.0		100	70-130	0.00	25
Dibromomethane	19.0		µg/kg wet		20.0		95.0	70-130	2.67	25
1,2-Dichlorobenzene	19.6		µg/kg wet		20.0		98.0	70-130	4.70	25
1,3-Dichlorobenzene	19.8		µg/kg wet		20.0		99.0	70-130	4.93	25
1,4-Dichlorobenzene	18.5		µg/kg wet		20.0		92.5	70-130	3.86	25
Dichlorodifluoromethane (Freon12)	14.0		µg/kg wet		20.0		70.0	42.3-190	7.56	50
1,1-Dichloroethane	16.8		µg/kg wet		20.0		84.0	70-130	8.00	25
1,2-Dichloroethane	17.7		µg/kg wet		20.0		88.5	70-130	2.79	25
1,1-Dichloroethene	16.4		µg/kg wet		20.0		82.0	70-130	8.19	25
cis-1,2-Dichloroethene	17.3		µg/kg wet		20.0		86.5	70-130	14.0	25
trans-1,2-Dichloroethene	17.4		µg/kg wet		20.0		87.0	70-130	5.59	25
1,2-Dichloropropane	18.1		µg/kg wet		20.0		90.5	70-130	3.26	25
1,3-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130	5.60	25
2,2-Dichloropropane	16.0		µg/kg wet		20.0		80.0	70-130	11.8	25
1,1-Dichloropropene	17.0		µg/kg wet		20.0		85.0	70-130	11.6	25
cis-1,3-Dichloropropene	19.1		µg/kg wet		20.0		95.5	70-130	4.60	25
trans-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94.5	70-130	0.00	25
Ethylbenzene	18.6		µg/kg wet		20.0		93.0	70-130	4.72	25
Hexachlorobutadiene	18.0		µg/kg wet		20.0		90.0	70-137	9.52	50
2-Hexanone (MBK)	15.3	QR5	µg/kg wet		20.0		76.5	70-130	25.8	25
Isopropylbenzene	18.9		µg/kg wet		20.0		94.5	70-130	6.65	25
4-Isopropyltoluene	19.3		µg/kg wet		20.0		96.5	70-130	0.00	25
Methyl tert-butyl ether	17.7		µg/kg wet		20.0		88.5	70-130	2.23	25
4-Methyl-2-pentanone (MIBK)	18.0		µg/kg wet		20.0		90.0	48.5-127	22.9	50
Methylene chloride	18.5		µg/kg wet		20.0		92.5	70-130	8.79	25
Naphthalene	21.4		µg/kg wet		20.0		107	70-130	6.76	25
n-Propylbenzene	20.1		µg/kg wet		20.0		100	70-130	7.69	25
Styrene	19.2		µg/kg wet		20.0		96.0	70-130	2.64	25
1,1,1,2-Tetrachloroethane	20.4		µg/kg wet		20.0		102	70-130	0.976	25
1,1,2,2-Tetrachloroethane	22.5		µg/kg wet		20.0		112	70-130	20.7	25
Tetrachloroethene	16.3		µg/kg wet		20.0		81.5	70-130	9.91	25
Toluene	17.7		µg/kg wet		20.0		88.5	70-130	2.87	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120294 - SW846 5035A Soil (low level)										
LCS Dup (6120294-BSD1)										
Prepared & Analyzed: 05-Dec-06										
1,2,3-Trichlorobenzene	19.9		µg/kg wet		20.0		99.5	70-130	0.504	25
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94.0	70-130	3.14	25
1,1,1-Trichloroethane	17.9		µg/kg wet		20.0		89.5	70-130	11.1	25
1,1,2-Trichloroethane	19.2		µg/kg wet		20.0		96.0	70-130	6.06	25
Trichloroethene	16.8		µg/kg wet		20.0		84.0	70-130	2.93	25
Trichlorofluoromethane (Freon 11)	17.0		µg/kg wet		20.0		85.0	66.5-144	10.6	50
1,2,3-Trichloropropane	22.8		µg/kg wet		20.0		114	70-130	4.48	25
1,2,4-Trimethylbenzene	19.3		µg/kg wet		20.0		96.5	70-130	5.54	25
1,3,5-Trimethylbenzene	19.4		µg/kg wet		20.0		97.0	70-130	1.03	25
Vinyl chloride	17.6		µg/kg wet		20.0		88.0	70-130	14.7	25
m,p-Xylene	38.0		µg/kg wet		40.0		95.0	70-130	5.13	25
o-Xylene	19.9		µg/kg wet		20.0		99.5	70-130	5.38	25
Tetrahydrofuran	18.1		µg/kg wet		20.0		90.5	70-130	22.8	25
Ethyl ether	18.6		µg/kg wet		20.0		93.0	64.9-123	1.07	50
Tert-amyl methyl ether	19.1		µg/kg wet		20.0		95.5	70-130	16.8	25
Ethyl tert-butyl ether	18.3		µg/kg wet		20.0		91.5	70-130	5.84	25
Di-isopropyl ether	15.8		µg/kg wet		20.0		79.0	70-130	3.22	25
Tert-Butanol / butyl alcohol	186	QR5	µg/kg wet		200		93.0	70-130	26.8	25
1,4-Dioxane	181		µg/kg wet		200		90.5	40-134	2.72	25
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/kg wet		*50.0*		*99.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.7*		µg/kg wet		*50.0*		*97.4*	*70-130*		
Surrogate: Dibromofluoromethane	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Batch 6120321 - SW846 5030 Water MS										
Blank (6120321-BLK1)										
Prepared & Analyzed: 06-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	20.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120321 - SW846 5030 Water MS										
Blank (6120321-BLK1)										
Prepared & Analyzed: 06-Dec-06										
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*52.4*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*48.0*		µg/l		*50.0*		*96.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.0*		µg/l		*50.0*		*94.0*	*70-130*		
Surrogate: Dibromofluoromethane	*50.7*		µg/l		*50.0*		*101*	*70-130*		
LCS (6120321-BS1)										
Prepared & Analyzed: 06-Dec-06										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120321 - SW846 5030 Water MS										
LCS (6120321-BS1)										
Prepared & Analyzed: 06-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0		µg/l		20.0		100	70-130		
Acetone	25.9		µg/l		20.0		130	29.5-156		
Acrylonitrile	24.8		µg/l		20.0		124	70-130		
Benzene	20.0		µg/l		20.0		100	70-130		
Bromobenzene	21.2		µg/l		20.0		106	70-130		
Bromochloromethane	19.5		µg/l		20.0		97.5	70-130		
Bromodichloromethane	19.3		µg/l		20.0		96.5	70-130		
Bromoform	19.2		µg/l		20.0		96.0	70-130		
Bromomethane	19.4		µg/l		20.0		97.0	57.7-151		
2-Butanone (MEK)	15.6		µg/l		20.0		78.0	48.9-134		
n-Butylbenzene	16.2		µg/l		20.0		81.0	70-130		
sec-Butylbenzene	18.8		µg/l		20.0		94.0	70-130		
tert-Butylbenzene	19.5		µg/l		20.0		97.5	70-130		
Carbon disulfide	17.0		µg/l		20.0		85.0	70-130		
Carbon tetrachloride	14.2		µg/l		20.0		71.0	70-130		
Chlorobenzene	21.5		µg/l		20.0		108	70-130		
Chloroethane	19.5		µg/l		20.0		97.5	56.9-145		
Chloroform	18.4		µg/l		20.0		92.0	70-130		
Chloromethane	17.1		µg/l		20.0		85.5	70-130		
2-Chlorotoluene	20.0		µg/l		20.0		100	70-130		
4-Chlorotoluene	20.3		µg/l		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	15.7		µg/l		20.0		78.5	70-130		
Dibromochloromethane	18.6		µg/l		20.0		93.0	61.5-142		
1,2-Dibromoethane (EDB)	20.6		µg/l		20.0		103	70-130		
Dibromomethane	19.9		µg/l		20.0		99.5	70-130		
1,2-Dichlorobenzene	19.8		µg/l		20.0		99.0	70-130		
1,3-Dichlorobenzene	21.1		µg/l		20.0		106	70-130		
1,4-Dichlorobenzene	19.3		µg/l		20.0		96.5	70-130		
Dichlorodifluoromethane (Freon12)	14.1		µg/l		20.0		70.5	36.6-187		
1,1-Dichloroethane	19.4		µg/l		20.0		97.0	70-130		
1,2-Dichloroethane	20.6		µg/l		20.0		103	70-130		
1,1-Dichloroethene	21.8		µg/l		20.0		109	70-130		
cis-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130		
trans-1,2-Dichloroethene	18.4		µg/l		20.0		92.0	70-130		
1,2-Dichloropropane	19.8		µg/l		20.0		99.0	70-130		
1,3-Dichloropropane	21.9		µg/l		20.0		110	70-130		
2,2-Dichloropropane	12.9	QC2	µg/l		20.0		64.5	70-130		
1,1-Dichloropropene	18.6		µg/l		20.0		93.0	70-130		
cis-1,3-Dichloropropene	17.1		µg/l		20.0		85.5	70-130		
trans-1,3-Dichloropropene	16.2		µg/l		20.0		81.0	70-130		
Ethylbenzene	20.1		µg/l		20.0		100	70-130		
Hexachlorobutadiene	16.4		µg/l		20.0		82.0	68.7-142		
2-Hexanone (MBK)	19.4		µg/l		20.0		97.0	56.3-131		
Isopropylbenzene	18.7		µg/l		20.0		93.5	70-130		
4-Isopropyltoluene	17.6		µg/l		20.0		88.0	70-130		
Methyl tert-butyl ether	19.7		µg/l		20.0		98.5	70-130		
4-Methyl-2-pentanone (MIBK)	19.2		µg/l		20.0		96.0	55.2-129		
Methylene chloride	21.6		µg/l		20.0		108	70-130		
Naphthalene	20.5		µg/l		20.0		102	70-130		
n-Propylbenzene	18.5		µg/l		20.0		92.5	70-130		
Styrene	20.8		µg/l		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	17.2		µg/l		20.0		86.0	70-130		
1,1,2,2-Tetrachloroethane	22.7		µg/l		20.0		114	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120321 - SW846 5030 Water MS										
LCS (6120321-BS1)										
Prepared & Analyzed: 06-Dec-06										
Tetrachloroethene	19.0		µg/l		20.0		95.0	70-130		
Toluene	19.7		µg/l		20.0		98.5	70-130		
1,2,3-Trichlorobenzene	23.3		µg/l		20.0		116	70-130		
1,2,4-Trichlorobenzene	20.7		µg/l		20.0		104	70-130		
1,1,1-Trichloroethane	16.3		µg/l		20.0		81.5	70-130		
1,1,2-Trichloroethane	21.6		µg/l		20.0		108	70-130		
Trichloroethene	17.8		µg/l		20.0		89.0	70-130		
Trichlorofluoromethane (Freon 11)	20.3		µg/l		20.0		102	68-148		
1,2,3-Trichloropropane	24.9		µg/l		20.0		124	70-130		
1,2,4-Trimethylbenzene	19.7		µg/l		20.0		98.5	70-130		
1,3,5-Trimethylbenzene	19.2		µg/l		20.0		96.0	70-130		
Vinyl chloride	33.5	QC2	µg/l		20.0		168	70-130		
m,p-Xylene	42.8		µg/l		40.0		107	70-130		
o-Xylene	21.6		µg/l		20.0		108	70-130		
Tetrahydrofuran	18.8		µg/l		20.0		94.0	70-130		
Ethyl ether	23.0		µg/l		20.0		115	57.6-132		
Tert-amyl methyl ether	23.1		µg/l		20.0		116	70-130		
Ethyl tert-butyl ether	20.4		µg/l		20.0		102	70-130		
Di-isopropyl ether	18.7		µg/l		20.0		93.5	70-130		
Tert-Butanol / butyl alcohol	240		µg/l		200		120	70-130		
1,4-Dioxane	185		µg/l		200		92.5	45.2-132		
Surrogate: 4-Bromofluorobenzene	*53.2*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/l		*50.0*		*96.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.0*		µg/l		*50.0*		*92.0*	*70-130*		
Surrogate: Dibromofluoromethane	*49.3*		µg/l		*50.0*		*98.6*	*70-130*		
LCS Dup (6120321-BSD1)										
Prepared & Analyzed: 06-Dec-06										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.7		µg/l		20.0		88.5	70-130	12.2	25
Acetone	23.4		µg/l		20.0		117	29.5-156	10.5	50
Acrylonitrile	25.9		µg/l		20.0		130	70-130	4.72	25
Benzene	19.0		µg/l		20.0		95.0	70-130	5.13	25
Bromobenzene	20.1		µg/l		20.0		100	70-130	5.83	25
Bromochloromethane	19.6		µg/l		20.0		98.0	70-130	0.512	25
Bromodichloromethane	18.7		µg/l		20.0		93.5	70-130	3.16	25
Bromoform	18.3		µg/l		20.0		91.5	70-130	4.80	25
Bromomethane	18.2		µg/l		20.0		91.0	57.7-151	6.38	50
2-Butanone (MEK)	16.4		µg/l		20.0		82.0	48.9-134	5.00	50
n-Butylbenzene	15.8		µg/l		20.0		79.0	70-130	2.50	25
sec-Butylbenzene	18.4		µg/l		20.0		92.0	70-130	2.15	25
tert-Butylbenzene	18.9		µg/l		20.0		94.5	70-130	3.12	25
Carbon disulfide	14.6		µg/l		20.0		73.0	70-130	15.2	25
Carbon tetrachloride	12.8	QC1	µg/l		20.0		64.0	70-130	10.4	25
Chlorobenzene	20.0		µg/l		20.0		100	70-130	7.69	25
Chloroethane	18.1		µg/l		20.0		90.5	56.9-145	7.45	50
Chloroform	17.9		µg/l		20.0		89.5	70-130	2.75	25
Chloromethane	15.9		µg/l		20.0		79.5	70-130	7.27	25
2-Chlorotoluene	20.2		µg/l		20.0		101	70-130	0.995	25
4-Chlorotoluene	19.0		µg/l		20.0		95.0	70-130	7.11	25
1,2-Dibromo-3-chloropropane	15.8		µg/l		20.0		79.0	70-130	0.635	25
Dibromochloromethane	17.8		µg/l		20.0		89.0	61.5-142	4.40	50
1,2-Dibromoethane (EDB)	21.2		µg/l		20.0		106	70-130	2.87	25
Dibromomethane	19.8		µg/l		20.0		99.0	70-130	0.504	25
1,2-Dichlorobenzene	19.3		µg/l		20.0		96.5	70-130	2.56	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120321 - SW846 5030 Water MS										
LCS Dup (6120321-BSD1)										
Prepared & Analyzed: 06-Dec-06										
1,3-Dichlorobenzene	19.9		µg/l		20.0		99.5	70-130	6.33	25
1,4-Dichlorobenzene	18.2		µg/l		20.0		91.0	70-130	5.87	25
Dichlorodifluoromethane (Freon12)	12.1		µg/l		20.0		60.5	36.6-187	15.3	50
1,1-Dichloroethane	18.2		µg/l		20.0		91.0	70-130	6.38	25
1,2-Dichloroethane	20.0		µg/l		20.0		100	70-130	2.96	25
1,1-Dichloroethene	19.3		µg/l		20.0		96.5	70-130	12.2	25
cis-1,2-Dichloroethene	18.9		µg/l		20.0		94.5	70-130	6.65	25
trans-1,2-Dichloroethene	17.0		µg/l		20.0		85.0	70-130	7.91	25
1,2-Dichloropropane	19.2		µg/l		20.0		96.0	70-130	3.08	25
1,3-Dichloropropane	21.4		µg/l		20.0		107	70-130	2.76	25
2,2-Dichloropropane	11.6	QC2	µg/l		20.0		58.0	70-130	10.6	25
1,1-Dichloropropene	16.7		µg/l		20.0		83.5	70-130	10.8	25
cis-1,3-Dichloropropene	16.3		µg/l		20.0		81.5	70-130	4.79	25
trans-1,3-Dichloropropene	15.1		µg/l		20.0		75.5	70-130	7.03	25
Ethylbenzene	18.9		µg/l		20.0		94.5	70-130	5.66	25
Hexachlorobutadiene	14.6		µg/l		20.0		73.0	68.7-142	11.6	50
2-Hexanone (MBK)	21.2		µg/l		20.0		106	56.3-131	8.87	25
Isopropylbenzene	17.8		µg/l		20.0		89.0	70-130	4.93	25
4-Isopropyltoluene	17.8		µg/l		20.0		89.0	70-130	1.13	25
Methyl tert-butyl ether	19.6		µg/l		20.0		98.0	70-130	0.509	25
4-Methyl-2-pentanone (MIBK)	19.7		µg/l		20.0		98.5	55.2-129	2.57	50
Methylene chloride	20.7		µg/l		20.0		104	70-130	3.77	25
Naphthalene	20.5		µg/l		20.0		102	70-130	0.00	25
n-Propylbenzene	17.7		µg/l		20.0		88.5	70-130	4.42	25
Styrene	19.6		µg/l		20.0		98.0	70-130	5.94	25
1,1,1,2-Tetrachloroethane	16.5		µg/l		20.0		82.5	70-130	4.15	25
1,1,2,2-Tetrachloroethane	23.5		µg/l		20.0		118	70-130	3.45	25
Tetrachloroethene	17.3		µg/l		20.0		86.5	70-130	9.37	25
Toluene	18.6		µg/l		20.0		93.0	70-130	5.74	25
1,2,3-Trichlorobenzene	23.5		µg/l		20.0		118	70-130	1.71	25
1,2,4-Trichlorobenzene	20.8		µg/l		20.0		104	70-130	0.00	25
1,1,1-Trichloroethane	15.0		µg/l		20.0		75.0	70-130	8.31	25
1,1,2-Trichloroethane	21.0		µg/l		20.0		105	70-130	2.82	25
Trichloroethene	16.5		µg/l		20.0		82.5	70-130	7.58	25
Trichlorofluoromethane (Freon 11)	18.0		µg/l		20.0		90.0	68-148	12.5	50
1,2,3-Trichloropropane	25.4		µg/l		20.0		127	70-130	2.39	25
1,2,4-Trimethylbenzene	19.1		µg/l		20.0		95.5	70-130	3.09	25
1,3,5-Trimethylbenzene	18.6		µg/l		20.0		93.0	70-130	3.17	25
Vinyl chloride	30.9	QC2	µg/l		20.0		154	70-130	8.70	25
m,p-Xylene	40.2		µg/l		40.0		100	70-130	6.76	25
o-Xylene	20.7		µg/l		20.0		104	70-130	3.77	25
Tetrahydrofuran	19.3		µg/l		20.0		96.5	70-130	2.62	25
Ethyl ether	23.0		µg/l		20.0		115	57.6-132	0.00	50
Tert-amyl methyl ether	22.8		µg/l		20.0		114	70-130	1.74	25
Ethyl tert-butyl ether	19.8		µg/l		20.0		99.0	70-130	2.99	25
Di-isopropyl ether	18.4		µg/l		20.0		92.0	70-130	1.62	25
Tert-Butanol / butyl alcohol	255		µg/l		200		128	70-130	6.45	25
1,4-Dioxane	214		µg/l		200		107	45.2-132	14.5	25
Surrogate: 4-Bromofluorobenzene	*52.9*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*48.0*		µg/l		*50.0*		*96.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.6*		µg/l		*50.0*		*91.2*	*70-130*		
Surrogate: Dibromofluoromethane	*49.6*		µg/l		*50.0*		*99.2*	*70-130*		

Matrix Spike (6120321-MS1) **Source: SA54727-12**

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120321 - SW846 5030 Water MS										
Prepared & Analyzed: 06-Dec-06										
Benzene	21.4		µg/l		20.0	BRL	107	70-130		
Chlorobenzene	23.6		µg/l		20.0	BRL	118	70-130		
1,1-Dichloroethene	22.8		µg/l		20.0	BRL	114	70-130		
Toluene	21.6		µg/l		20.0	BRL	108	70-130		
Trichloroethene	19.7		µg/l		20.0	BRL	98.5	70-130		
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*47.9*		µg/l		*50.0*		*95.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.0*		µg/l		*50.0*		*92.0*	*70-130*		
Surrogate: Dibromofluoromethane	*49.0*		µg/l		*50.0*		*98.0*	*70-130*		
Matrix Spike Dup (6120321-MSD1) **Source: SA54727-12**										
Prepared & Analyzed: 06-Dec-06										
Benzene	21.5		µg/l		20.0	BRL	108	70-130	0.930	30
Chlorobenzene	24.3		µg/l		20.0	BRL	122	70-130	3.33	30
1,1-Dichloroethene	23.3		µg/l		20.0	BRL	116	70-130	1.74	30
Toluene	21.5		µg/l		20.0	BRL	108	70-130	0.00	30
Trichloroethene	19.9		µg/l		20.0	BRL	99.5	70-130	1.01	30
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*47.3*		µg/l		*50.0*		*94.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.4*		µg/l		*50.0*		*92.8*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/l		*50.0*		*99.8*	*70-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120230 - SW846 3550B										
Blank (6120230-BLK1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*4.09*		mg/kg wet		*3.33*		*123*	*40-140*		
LCS (6120230-BS1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
C9-C36 Aliphatic Hydrocarbons	73.1		mg/kg wet	13.3	93.3		78.3	60-120		
Surrogate: 1-Chlorooctadecane	*3.00*		mg/kg wet		*3.33*		*90.1*	*60-120*		
Duplicate (6120230-DUP1) **Source: SA54993-05**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Gasoline	BRL		mg/kg dry	18.6		BRL				50
Fuel Oil #2	BRL		mg/kg dry	18.6		BRL				50
Fuel Oil #4	BRL		mg/kg dry	18.6		BRL				50
Fuel Oil #6	BRL		mg/kg dry	18.6		BRL				50
Motor Oil	BRL		mg/kg dry	18.6		BRL				50
Aviation Fuel	BRL		mg/kg dry	18.6		BRL				50
Unidentified	BRL		mg/kg dry	18.6		BRL				50
Other Oil	BRL		mg/kg dry	18.6		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	18.6		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	18.6		BRL				50
Surrogate: 1-Chlorooctadecane	*1.50*		mg/kg dry		*2.33*		*64.4*	*40-140*		
Matrix Spike (6120230-MS1) **Source: SA54993-05**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
C9-C36 Aliphatic Hydrocarbons	92.4		mg/kg dry	16.1	113	BRL	81.8	50-150		
Surrogate: 1-Chlorooctadecane	*3.75*		mg/kg dry		*4.02*		*93.3*	*40-140*		
Matrix Spike Dup (6120230-MSD1) **Source: SA54993-05**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
C9-C36 Aliphatic Hydrocarbons	113		mg/kg dry	16.0	113	BRL	100	50-150	20.0	30
Surrogate: 1-Chlorooctadecane	*4.78*		mg/kg dry		*4.02*		*119*	*40-140*		
Batch 6120231 - SW846 3550B										
Blank (6120231-BLK1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.23*		mg/kg wet		*3.33*		*67.0*	*40-140*		

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* Reportable Detection Limit BRL = Below Reporting Limit

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120231 - SW846 3550B										
LCS (6120231-BS1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
C9-C36 Aliphatic Hydrocarbons	103		mg/kg wet	13.3	93.3		110	60-120		
Surrogate: 1-Chlorooctadecane	*3.30*		mg/kg wet		*3.33*		*99.1*	*60-120*		
Duplicate (6120231-DUP1) **Source: SA54993-15**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Gasoline	BRL		mg/kg dry	16.9		BRL				50
Fuel Oil #2	BRL		mg/kg dry	16.9		BRL				50
Fuel Oil #4	BRL		mg/kg dry	16.9		BRL				50
Fuel Oil #6	BRL		mg/kg dry	16.9		BRL				50
Motor Oil	BRL		mg/kg dry	16.9		BRL				50
Aviation Fuel	BRL		mg/kg dry	16.9		BRL				50
Unidentified	BRL		mg/kg dry	16.9		BRL				50
Other Oil	BRL		mg/kg dry	16.9		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.9		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.9		BRL				50
Surrogate: 1-Chlorooctadecane	*2.07*		mg/kg dry		*2.11*		*98.1*	*40-140*		
Matrix Spike (6120231-MS1) **Source: SA54993-15**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
C9-C36 Aliphatic Hydrocarbons	91.7		mg/kg dry	15.0	105	BRL	87.3	50-150		
Surrogate: 1-Chlorooctadecane	*3.41*		mg/kg dry		*3.76*		*90.7*	*40-140*		
Matrix Spike Dup (6120231-MSD1) **Source: SA54993-15**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
C9-C36 Aliphatic Hydrocarbons	92.8		mg/kg dry	14.9	105	BRL	88.4	50-150	1.25	30
Surrogate: 1-Chlorooctadecane	*3.42*		mg/kg dry		*3.74*		*91.4*	*40-140*		
Batch 6120313 - SW846 3510C										
Blank (6120313-BLK1)										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Gasoline	BRL		mg/l	0.05						
Fuel Oil #2	BRL		mg/l	0.05						
Fuel Oil #4	BRL		mg/l	0.05						
Fuel Oil #6	BRL		mg/l	0.05						
Motor Oil	BRL		mg/l	0.05						
Aviation Fuel	BRL		mg/l	0.05						
Unidentified	BRL		mg/l	0.05						
Other Oil	BRL		mg/l	0.05						
Total Petroleum Hydrocarbons	BRL		mg/l	0.05						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.05						
Surrogate: 1-Chlorooctadecane	*0.0506*		mg/l		*0.0500*		*101*	*40-140*		
LCS (6120313-BS1)										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
C9-C36 Aliphatic Hydrocarbons	1.2		mg/l	0.05	1.40		85.7	60-120		
Surrogate: 1-Chlorooctadecane	*0.0452*		mg/l		*0.0500*		*90.4*	*60-120*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120228 - SW846 3550B										
Blank (6120228-BLK1)										
Prepared & Analyzed: 05-Dec-06										
Aldrin	BRL		µg/kg wet	14.3						
a-BHC	BRL		µg/kg wet	14.3						
b-BHC	BRL		µg/kg wet	14.3						
d-BHC	BRL		µg/kg wet	14.3						
g-BHC (Lindane)	BRL		µg/kg wet	14.3						
Chlordane	BRL		µg/kg wet	71.5						
4,4-DDD (p,p')	BRL		µg/kg wet	14.3						
4,4-DDE (p,p')	BRL		µg/kg wet	14.3						
4,4-DDT (p,p')	BRL		µg/kg wet	14.3						
Dieldrin	BRL		µg/kg wet	14.3						
Endosulfan I	BRL		µg/kg wet	14.3						
Endosulfan II	BRL		µg/kg wet	14.3						
Endosulfan Sulfate	BRL		µg/kg wet	14.3						
Endrin	BRL		µg/kg wet	14.3						
Endrin Aldehyde	BRL		µg/kg wet	14.3						
Heptachlor	BRL		µg/kg wet	14.3						
Methoxychlor	BRL		µg/kg wet	14.3						
Heptachlor Epoxide	BRL		µg/kg wet	14.3						
Toxaphene	BRL		µg/kg wet	71.5						
a-Chlordane	BRL		µg/kg wet	14.3						
g-Chlordane	BRL		µg/kg wet	14.3						
Endrin Ketone	BRL		µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.4*		µg/kg wet		*28.6*		*57.3*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.0*		µg/kg wet		*28.6*		*108*	*30-150*		
LCS (6120228-BS1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	32.5		µg/kg wet	14.3	28.6		114	40-140		
a-BHC	31.1		µg/kg wet	14.3	28.6		109	40-140		
b-BHC	33.4		µg/kg wet	14.3	28.6		117	40-140		
d-BHC	18.5		µg/kg wet	14.3	28.6		64.7	40-140		
g-BHC (Lindane)	32.2		µg/kg wet	14.3	28.6		113	40-140		
4,4-DDD (p,p')	33.5		µg/kg wet	14.3	28.6		117	40-140		
4,4-DDE (p,p')	34.8		µg/kg wet	14.3	28.6		122	40-140		
4,4-DDT (p,p')	32.0		µg/kg wet	14.3	28.6		112	40-140		
Dieldrin	35.2		µg/kg wet	14.3	28.6		123	40-140		
Endosulfan I	20.5		µg/kg wet	14.3	28.6		71.7	40-140		
Endosulfan II	21.9		µg/kg wet	14.3	28.6		76.6	40-140		
Endosulfan Sulfate	26.8		µg/kg wet	14.3	28.6		93.7	40-140		
Endrin	32.1		µg/kg wet	14.3	28.6		112	40-140		
Endrin Aldehyde	34.9		µg/kg wet	14.3	28.6		122	40-140		
Heptachlor	32.4		µg/kg wet	14.3	28.6		113	40-140		
Methoxychlor	34.6		µg/kg wet	14.3	28.6		121	40-140		
Heptachlor Epoxide	34.2		µg/kg wet	14.3	28.6		120	40-140		
a-Chlordane	36.3		µg/kg wet	14.3	28.6		127	40-140		
g-Chlordane	33.1		µg/kg wet	14.3	28.6		116	40-140		
Endrin Ketone	31.9		µg/kg wet	14.3	28.6		112	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.6*		µg/kg wet		*28.6*		*68.5*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*35.3*		µg/kg wet		*28.6*		*123*	*40-140*		
LCS Dup (6120228-BSD1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	30.2		µg/kg wet	14.3	28.6		106	40-140	7.27	30
a-BHC	27.2		µg/kg wet	14.3	28.6		95.1	40-140	13.6	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120228 - SW846 3550B										
LCS Dup (6120228-BSD1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
b-BHC	29.5		µg/kg wet	14.3	28.6		103	40-140	12.7	30
d-BHC	16.3		µg/kg wet	14.3	28.6		57.0	40-140	12.7	30
g-BHC (Lindane)	28.7		µg/kg wet	14.3	28.6		100	40-140	12.2	30
4,4-DDD (p,p')	29.5		µg/kg wet	14.3	28.6		103	40-140	12.7	30
4,4-DDE (p,p')	31.9		µg/kg wet	14.3	28.6		112	40-140	8.55	30
4,4-DDT (p,p')	29.0		µg/kg wet	14.3	28.6		101	40-140	10.3	30
Dieldrin	31.8		µg/kg wet	14.3	28.6		111	40-140	10.3	30
Endosulfan I	16.3		µg/kg wet	14.3	28.6		57.0	40-140	22.8	30
Endosulfan II	20.6		µg/kg wet	14.3	28.6		72.0	40-140	6.19	30
Endosulfan Sulfate	23.6		µg/kg wet	14.3	28.6		82.5	40-140	12.7	30
Endrin	28.7		µg/kg wet	14.3	28.6		100	40-140	11.3	30
Endrin Aldehyde	31.9		µg/kg wet	14.3	28.6		112	40-140	8.55	30
Heptachlor	29.4		µg/kg wet	14.3	28.6		103	40-140	9.26	30
Methoxychlor	29.9		µg/kg wet	14.3	28.6		105	40-140	14.2	30
Heptachlor Epoxide	31.6		µg/kg wet	14.3	28.6		110	40-140	8.70	30
a-Chlordane	31.9		µg/kg wet	14.3	28.6		112	40-140	12.6	30
g-Chlordane	30.2		µg/kg wet	14.3	28.6		106	40-140	9.01	30
Endrin Ketone	27.4		µg/kg wet	14.3	28.6		95.8	40-140	15.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.3*		µg/kg wet		*28.6*		*67.5*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*35.6*		µg/kg wet		*28.6*		*124*	*40-140*		
Duplicate (6120228-DUP1) **Source: SA54964-01**										
Prepared & Analyzed: 05-Dec-06										
Aldrin	BRL		µg/kg dry	18.3		BRL				30
a-BHC	BRL		µg/kg dry	18.3		BRL				30
b-BHC	BRL		µg/kg dry	18.3		BRL				30
d-BHC	BRL		µg/kg dry	18.3		BRL				30
g-BHC (Lindane)	BRL		µg/kg dry	18.3		BRL				30
Chlordane	BRL		µg/kg dry	91.5		BRL				30
4,4-DDD (p,p')	BRL		µg/kg dry	18.3		BRL				30
4,4-DDE (p,p')	BRL		µg/kg dry	18.3		BRL				30
4,4-DDT (p,p')	BRL		µg/kg dry	18.3		BRL				30
Dieldrin	BRL		µg/kg dry	18.3		BRL				30
Endosulfan I	BRL		µg/kg dry	18.3		BRL				30
Endosulfan II	BRL		µg/kg dry	18.3		BRL				30
Endosulfan Sulfate	BRL		µg/kg dry	18.3		BRL				30
Endrin	BRL		µg/kg dry	18.3		BRL				30
Endrin Aldehyde	BRL		µg/kg dry	18.3		BRL				30
Heptachlor	BRL		µg/kg dry	18.3		BRL				30
Methoxychlor	BRL		µg/kg dry	18.3		BRL				30
Heptachlor Epoxide	BRL		µg/kg dry	18.3		BRL				30
Toxaphene	BRL		µg/kg dry	91.5		BRL				30
a-Chlordane	BRL		µg/kg dry	18.3		BRL				30
g-Chlordane	BRL		µg/kg dry	18.3		BRL				30
Endrin Ketone	BRL		µg/kg dry	18.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.2*		µg/kg dry		*36.5*		*74.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*41.6*		µg/kg dry		*36.5*		*114*	*30-150*		
Matrix Spike (6120228-MS1) **Source: SA54964-01**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	42.9		µg/kg dry	17.9	35.9	BRL	119	30-150		
a-BHC	40.5		µg/kg dry	17.9	35.9	BRL	113	30-150		
b-BHC	46.4		µg/kg dry	17.9	35.9	BRL	129	30-150		
d-BHC	25.4		µg/kg dry	17.9	35.9	BRL	70.8	30-150		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120228 - SW846 3550B										
Matrix Spike (6120228-MS1) **Source: SA54964-01**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
g-BHC (Lindane)	43.8		µg/kg dry	17.9	35.9	BRL	122	30-150		
4,4-DDD (p,p')	42.4		µg/kg dry	17.9	35.9	BRL	118	30-150		
4,4-DDE (p,p')	45.4		µg/kg dry	17.9	35.9	BRL	126	30-150		
4,4-DDT (p,p')	52.6		µg/kg dry	17.9	35.9	BRL	147	30-150		
Dieldrin	44.0		µg/kg dry	17.9	35.9	BRL	123	30-150		
Endosulfan I	23.5		µg/kg dry	17.9	35.9	BRL	65.5	30-150		
Endosulfan II	34.0		µg/kg dry	17.9	35.9	BRL	94.7	30-150		
Endosulfan Sulfate	42.9		µg/kg dry	17.9	35.9	BRL	119	30-150		
Endrin	46.3		µg/kg dry	17.9	35.9	BRL	129	30-150		
Endrin Aldehyde	44.6		µg/kg dry	17.9	35.9	BRL	124	30-150		
Heptachlor	48.8		µg/kg dry	17.9	35.9	BRL	136	30-150		
Methoxychlor	53.8		µg/kg dry	17.9	35.9	BRL	150	30-150		
Heptachlor Epoxide	43.8		µg/kg dry	17.9	35.9	BRL	122	30-150		
a-Chlordane	43.7		µg/kg dry	17.9	35.9	BRL	122	30-150		
g-Chlordane	43.2		µg/kg dry	17.9	35.9	BRL	120	30-150		
Endrin Ketone	46.5		µg/kg dry	17.9	35.9	BRL	130	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.2*		µg/kg dry		*35.9*		*75.8*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*41.1*		µg/kg dry		*35.9*		*114*	*30-150*		
Matrix Spike Dup (6120228-MSD1) **Source: SA54964-01**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	44.5		µg/kg dry	18.5	37.0	BRL	120	30-150	0.837	30
a-BHC	41.7		µg/kg dry	18.5	37.0	BRL	113	30-150	0.00	30
b-BHC	47.3		µg/kg dry	18.5	37.0	BRL	128	30-150	0.778	30
d-BHC	24.8		µg/kg dry	18.5	37.0	BRL	67.0	30-150	5.52	30
g-BHC (Lindane)	45.0		µg/kg dry	18.5	37.0	BRL	122	30-150	0.00	30
4,4-DDD (p,p')	45.3		µg/kg dry	18.5	37.0	BRL	122	30-150	3.33	30
4,4-DDE (p,p')	47.9		µg/kg dry	18.5	37.0	BRL	129	30-150	2.35	30
4,4-DDT (p,p')	54.2		µg/kg dry	18.5	37.0	BRL	146	30-150	0.683	30
Dieldrin	46.2		µg/kg dry	18.5	37.0	BRL	125	30-150	1.61	30
Endosulfan I	26.7		µg/kg dry	18.5	37.0	BRL	72.2	30-150	9.73	30
Endosulfan II	35.0		µg/kg dry	18.5	37.0	BRL	94.6	30-150	0.106	30
Endosulfan Sulfate	38.0		µg/kg dry	18.5	37.0	BRL	103	30-150	14.4	30
Endrin	48.7		µg/kg dry	18.5	37.0	BRL	132	30-150	2.30	30
Endrin Aldehyde	51.7		µg/kg dry	18.5	37.0	BRL	140	30-150	12.1	30
Heptachlor	45.6		µg/kg dry	18.5	37.0	BRL	123	30-150	10.0	30
Methoxychlor	54.8		µg/kg dry	18.5	37.0	BRL	148	30-150	1.34	30
Heptachlor Epoxide	46.5		µg/kg dry	18.5	37.0	BRL	126	30-150	3.23	30
a-Chlordane	49.8		µg/kg dry	18.5	37.0	BRL	135	30-150	10.1	50
g-Chlordane	41.2		µg/kg dry	18.5	37.0	BRL	111	30-150	7.79	50
Endrin Ketone	43.6		µg/kg dry	18.5	37.0	BRL	118	30-150	9.68	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.2*		µg/kg dry		*37.0*		*73.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*39.0*		µg/kg dry		*37.0*		*105*	*30-150*		
Batch 6120229 - SW846 3550B										
Blank (6120229-BLK1)										
Prepared & Analyzed: 05-Dec-06										
PCB 1016	BRL		µg/kg wet	28.6						
PCB 1221	BRL		µg/kg wet	28.6						
PCB 1232	BRL		µg/kg wet	28.6						
PCB 1242	BRL		µg/kg wet	28.6						
PCB 1248	BRL		µg/kg wet	28.6						
PCB 1254	BRL		µg/kg wet	28.6						
PCB 1260	BRL		µg/kg wet	28.6						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120229 - SW846 3550B										
Blank (6120229-BLK1)										
Prepared & Analyzed: 05-Dec-06										
PCB 1262	BRL		µg/kg wet	28.6						
PCB 1268	BRL		µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*59.8*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*28.6*		*74.8*	*30-150*		
LCS (6120229-BS1)										
Prepared & Analyzed: 05-Dec-06										
PCB 1016	381		µg/kg wet	28.6	357		107	40-140		
PCB 1260	400		µg/kg wet	28.6	357		112	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*69.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet		*28.6*		*80.1*	*30-150*		
LCS Dup (6120229-BSD1)										
Prepared & Analyzed: 05-Dec-06										
PCB 1016	390		µg/kg wet	28.6	357		109	40-140	1.85	30
PCB 1260	400		µg/kg wet	28.6	357		112	40-140	0.00	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*69.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85.0*	*30-150*		
Duplicate (6120229-DUP1) **Source: SA54964-01**										
Prepared & Analyzed: 05-Dec-06										
PCB 1016	BRL		µg/kg dry	36.6		BRL				40
PCB 1221	BRL		µg/kg dry	36.6		BRL				40
PCB 1232	BRL		µg/kg dry	36.6		BRL				40
PCB 1242	BRL		µg/kg dry	36.6		BRL				40
PCB 1248	BRL		µg/kg dry	36.6		BRL				40
PCB 1254	BRL		µg/kg dry	36.6		BRL				40
PCB 1260	BRL		µg/kg dry	36.6		BRL				40
PCB 1262	BRL		µg/kg dry	36.6		BRL				40
PCB 1268	BRL		µg/kg dry	36.6		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.4*		µg/kg dry		*36.5*		*75.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.9*		µg/kg dry		*36.5*		*90.1*	*30-150*		
Matrix Spike (6120229-MS1) **Source: SA54964-01**										
Prepared & Analyzed: 05-Dec-06										
PCB 1016	512		µg/kg dry	35.7	446	BRL	115	40-140		
PCB 1260	536		µg/kg dry	35.7	446	BRL	120	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.8*		µg/kg dry		*35.7*		*75.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.1*		µg/kg dry		*35.7*		*89.9*	*30-150*		
Matrix Spike Dup (6120229-MSD1) **Source: SA54964-01**										
Prepared & Analyzed: 05-Dec-06										
PCB 1016	572		µg/kg dry	37.9	474	BRL	121	40-140	5.08	50
PCB 1260	533		µg/kg dry	37.9	474	BRL	112	40-140	6.90	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*28.4*		µg/kg dry		*37.9*		*74.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*36.0*		µg/kg dry		*37.9*		*95.0*	*30-150*		
Batch 6120285 - SW846 3545A										
Blank (6120285-BLK1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	BRL		µg/kg wet	14.3						
a-BHC	BRL		µg/kg wet	14.3						
b-BHC	BRL		µg/kg wet	14.3						
d-BHC	BRL		µg/kg wet	14.3						
g-BHC (Lindane)	BRL		µg/kg wet	14.3						
Chlordane	BRL		µg/kg wet	71.5						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120285 - SW846 3545A										
Blank (6120285-BLK1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
4,4-DDD (p,p')	BRL		µg/kg wet	14.3						
4,4-DDE (p,p')	BRL		µg/kg wet	14.3						
4,4-DDT (p,p')	BRL		µg/kg wet	14.3						
Dieldrin	BRL		µg/kg wet	14.3						
Endosulfan I	BRL		µg/kg wet	14.3						
Endosulfan II	BRL		µg/kg wet	14.3						
Endosulfan Sulfate	BRL		µg/kg wet	14.3						
Endrin	BRL		µg/kg wet	14.3						
Endrin Aldehyde	BRL		µg/kg wet	14.3						
Heptachlor	BRL		µg/kg wet	14.3						
Methoxychlor	BRL		µg/kg wet	14.3						
Heptachlor Epoxide	BRL		µg/kg wet	14.3						
Toxaphene	BRL		µg/kg wet	71.5						
a-Chlordane	BRL		µg/kg wet	14.3						
g-Chlordane	BRL		µg/kg wet	14.3						
Endrin Ketone	BRL		µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.3*		µg/kg wet		*28.6*		*67.5*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.4*		µg/kg wet		*28.6*		*81.8*	*30-150*		
LCS (6120285-BS1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	24.1		µg/kg wet	14.3	28.6		84.3	40-140		
a-BHC	21.9		µg/kg wet	14.3	28.6		76.6	40-140		
b-BHC	24.0		µg/kg wet	14.3	28.6		83.9	40-140		
d-BHC	14.6		µg/kg wet	14.3	28.6		51.0	40-140		
g-BHC (Lindane)	23.1		µg/kg wet	14.3	28.6		80.8	40-140		
4,4-DDD (p,p')	23.2		µg/kg wet	14.3	28.6		81.1	40-140		
4,4-DDE (p,p')	26.6		µg/kg wet	14.3	28.6		93.0	40-140		
4,4-DDT (p,p')	25.9		µg/kg wet	14.3	28.6		90.6	40-140		
Dieldrin	27.0		µg/kg wet	14.3	28.6		94.4	40-140		
Endosulfan I	15.8		µg/kg wet	14.3	28.6		55.2	40-140		
Endosulfan II	19.0		µg/kg wet	14.3	28.6		66.4	40-140		
Endosulfan Sulfate	23.3		µg/kg wet	14.3	28.6		81.5	40-140		
Endrin	26.0		µg/kg wet	14.3	28.6		90.9	40-140		
Endrin Aldehyde	26.3		µg/kg wet	14.3	28.6		92.0	40-140		
Heptachlor	23.6		µg/kg wet	14.3	28.6		82.5	40-140		
Methoxychlor	29.3		µg/kg wet	14.3	28.6		102	40-140		
Heptachlor Epoxide	26.3		µg/kg wet	14.3	28.6		92.0	40-140		
a-Chlordane	26.8		µg/kg wet	14.3	28.6		93.7	40-140		
g-Chlordane	32.1		µg/kg wet	14.3	28.6		112	40-140		
Endrin Ketone	23.8		µg/kg wet	14.3	28.6		83.2	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.8*		µg/kg wet		*28.6*		*65.7*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*22.4*		µg/kg wet		*28.6*		*78.3*	*40-140*		
LCS Dup (6120285-BSD1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	22.7		µg/kg wet	14.3	28.6		79.4	40-140	5.99	30
a-BHC	21.9		µg/kg wet	14.3	28.6		76.6	40-140	0.00	30
b-BHC	26.4		µg/kg wet	14.3	28.6		92.3	40-140	9.53	30
d-BHC	15.3		µg/kg wet	14.3	28.6		53.5	40-140	4.78	30
g-BHC (Lindane)	23.1		µg/kg wet	14.3	28.6		80.8	40-140	0.00	30
4,4-DDD (p,p')	25.0		µg/kg wet	14.3	28.6		87.4	40-140	7.48	30
4,4-DDE (p,p')	25.2		µg/kg wet	14.3	28.6		88.1	40-140	5.41	30
4,4-DDT (p,p')	27.6		µg/kg wet	14.3	28.6		96.5	40-140	6.31	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120285 - SW846 3545A										
LCS Dup (6120285-BSD1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Dieldrin	24.6		µg/kg wet	14.3	28.6		86.0	40-140	9.31	30
Endosulfan I	13.9		µg/kg wet	14.3	28.6		48.6	40-140	12.7	30
Endosulfan II	17.9		µg/kg wet	14.3	28.6		62.6	40-140	5.89	30
Endosulfan Sulfate	24.3		µg/kg wet	14.3	28.6		85.0	40-140	4.20	30
Endrin	25.5		µg/kg wet	14.3	28.6		89.2	40-140	1.89	30
Endrin Aldehyde	24.2		µg/kg wet	14.3	28.6		84.6	40-140	8.38	30
Heptachlor	24.6		µg/kg wet	14.3	28.6		86.0	40-140	4.15	30
Methoxychlor	30.0		µg/kg wet	14.3	28.6		105	40-140	2.90	30
Heptachlor Epoxide	24.0		µg/kg wet	14.3	28.6		83.9	40-140	9.21	30
a-Chlordane	25.3		µg/kg wet	14.3	28.6		88.5	40-140	5.71	30
g-Chlordane	30.4		µg/kg wet	14.3	28.6		106	40-140	5.50	30
Endrin Ketone	25.5		µg/kg wet	14.3	28.6		89.2	40-140	6.96	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.1*		µg/kg wet		*28.6*		*63.3*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*32.3*		µg/kg wet		*28.6*		*113*	*40-140*		
Duplicate (6120285-DUP1) **Source: SA55033-03**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	BRL		µg/kg dry	16.3		BRL				30
a-BHC	BRL		µg/kg dry	16.3		BRL				30
b-BHC	BRL		µg/kg dry	16.3		BRL				30
d-BHC	BRL		µg/kg dry	16.3		BRL				30
g-BHC (Lindane)	BRL		µg/kg dry	16.3		BRL				30
Chlordane	349		µg/kg dry	81.3		348			0.287	30
4,4-DDD (p,p')	12.9	J	µg/kg dry	16.3		13.1			1.54	30
4,4-DDE (p,p')	33.1		µg/kg dry	16.3		32.1			3.07	30
4,4-DDT (p,p')	32.9		µg/kg dry	16.3		34.1			3.58	30
Dieldrin	27.2		µg/kg dry	16.3		27.4			0.733	30
Endosulfan I	8.96	J	µg/kg dry	16.3		9.03			0.778	30
Endosulfan II	22.6		µg/kg dry	16.3		20.1			11.7	30
Endosulfan Sulfate	155		µg/kg dry	16.3		155			0.00	30
Endrin	BRL		µg/kg dry	16.3		BRL				30
Endrin Aldehyde	BRL		µg/kg dry	16.3		BRL				30
Heptachlor	BRL		µg/kg dry	16.3		BRL				30
Methoxychlor	BRL		µg/kg dry	16.3		BRL				30
Heptachlor Epoxide	4.50	J	µg/kg dry	16.3		4.71			4.56	30
Toxaphene	BRL		µg/kg dry	81.3		BRL				30
a-Chlordane	36.5		µg/kg dry	16.3		38.9			6.37	30
g-Chlordane	29.4		µg/kg dry	16.3		32.7			10.6	30
Endrin Ketone	BRL		µg/kg dry	16.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg dry		*32.5*		*48.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*33.9*		µg/kg dry		*32.5*		*104*	*30-150*		
Matrix Spike (6120285-MS1) **Source: SA55033-03**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	20.6		µg/kg dry	16.5	33.0	BRL	62.4	30-150		
a-BHC	18.8		µg/kg dry	16.5	33.0	BRL	57.0	30-150		
b-BHC	22.4		µg/kg dry	16.5	33.0	BRL	67.9	30-150		
d-BHC	13.2		µg/kg dry	16.5	33.0	BRL	40.0	30-150		
g-BHC (Lindane)	22.6		µg/kg dry	16.5	33.0	BRL	68.5	30-150		
4,4-DDD (p,p')	25.4		µg/kg dry	16.5	33.0	13.1	37.3	30-150		
4,4-DDE (p,p')	56.6		µg/kg dry	16.5	33.0	32.1	74.2	30-150		
4,4-DDT (p,p')	64.4		µg/kg dry	16.5	33.0	34.1	91.8	30-150		
Dieldrin	52.4		µg/kg dry	16.5	33.0	27.4	75.8	30-150		
Endosulfan I	22.3		µg/kg dry	16.5	33.0	9.03	40.2	30-150		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120285 - SW846 3545A										
Matrix Spike (6120285-MS1) **Source: SA55033-03**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Endosulfan II	37.9		µg/kg dry	16.5	33.0	20.1	53.9	30-150		
Endosulfan Sulfate	183		µg/kg dry	16.5	33.0	155	84.8	30-150		
Endrin	27.1		µg/kg dry	16.5	33.0	BRL	82.1	30-150		
Endrin Aldehyde	39.1		µg/kg dry	16.5	33.0	BRL	118	30-150		
Heptachlor	22.5		µg/kg dry	16.5	33.0	BRL	68.2	30-150		
Methoxychlor	41.8		µg/kg dry	16.5	33.0	BRL	127	30-150		
Heptachlor Epoxide	27.3		µg/kg dry	16.5	33.0	4.71	68.5	30-150		
a-Chlordane	59.0		µg/kg dry	16.5	33.0	38.9	60.9	30-150		
g-Chlordane	49.4		µg/kg dry	16.5	33.0	32.7	50.6	30-150		
Endrin Ketone	25.5		µg/kg dry	16.5	33.0	BRL	77.3	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.3*		µg/kg dry		*33.0*		*52.4*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.4*		µg/kg dry		*33.0*		*98.2*	*30-150*		
Matrix Spike Dup (6120285-MSD1) **Source: SA55033-03**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Aldrin	22.0		µg/kg dry	16.1	32.2	BRL	68.3	30-150	9.03	30
a-BHC	19.7		µg/kg dry	16.1	32.2	BRL	61.2	30-150	7.11	30
b-BHC	24.9		µg/kg dry	16.1	32.2	BRL	77.3	30-150	12.9	30
d-BHC	14.0		µg/kg dry	16.1	32.2	BRL	43.5	30-150	8.38	30
g-BHC (Lindane)	23.1		µg/kg dry	16.1	32.2	BRL	71.7	30-150	4.56	30
4,4-DDD (p,p')	23.0		µg/kg dry	16.1	32.2	13.1	30.7	30-150	19.4	30
4,4-DDE (p,p')	56.0		µg/kg dry	16.1	32.2	32.1	74.2	30-150	0.00	30
4,4-DDT (p,p')	73.6		µg/kg dry	16.1	32.2	34.1	123	30-150	29.1	30
Dieldrin	55.2		µg/kg dry	16.1	32.2	27.4	86.3	30-150	13.0	30
Endosulfan I	20.8		µg/kg dry	16.1	32.2	9.03	36.6	30-150	9.38	30
Endosulfan II	39.6		µg/kg dry	16.1	32.2	20.1	60.6	30-150	11.7	30
Endosulfan Sulfate	188		µg/kg dry	16.1	32.2	155	102	30-150	18.4	30
Endrin	29.2		µg/kg dry	16.1	32.2	BRL	90.7	30-150	9.95	30
Endrin Aldehyde	46.8		µg/kg dry	16.1	32.2	BRL	145	30-150	20.5	30
Heptachlor	23.4		µg/kg dry	16.1	32.2	BRL	72.7	30-150	6.39	30
Methoxychlor	47.1		µg/kg dry	16.1	32.2	BRL	146	30-150	13.9	30
Heptachlor Epoxide	30.3		µg/kg dry	16.1	32.2	4.71	79.5	30-150	14.9	30
a-Chlordane	64.7		µg/kg dry	16.1	32.2	38.9	80.1	30-150	27.2	50
g-Chlordane	49.8		µg/kg dry	16.1	32.2	32.7	53.1	30-150	4.82	50
Endrin Ketone	29.5		µg/kg dry	16.1	32.2	BRL	91.6	30-150	16.9	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg dry		*32.2*		*55.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*33.4*		µg/kg dry		*32.2*		*104*	*30-150*		
Batch 6120318 - SW846 3545A										
Blank (6120318-BLK1)										
Prepared & Analyzed: 06-Dec-06										
PCB 1016	BRL		µg/kg wet	28.6						
PCB 1221	BRL		µg/kg wet	28.6						
PCB 1232	BRL		µg/kg wet	28.6						
PCB 1242	BRL		µg/kg wet	28.6						
PCB 1248	BRL		µg/kg wet	28.6						
PCB 1254	BRL		µg/kg wet	28.6						
PCB 1260	BRL		µg/kg wet	28.6						
PCB 1262	BRL		µg/kg wet	28.6						
PCB 1268	BRL		µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.7*		µg/kg wet		*28.6*		*89.9*	*30-150*		
LCS (6120318-BS1)										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120318 - SW846 3545A										
Prepared & Analyzed: 06-Dec-06										
PCB 1016	360		µg/kg wet	28.6	357		101	40-140		
PCB 1260	389		µg/kg wet	28.6	357		109	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*59.8*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85.0*	*30-150*		
LCS Dup (6120318-BSD1)										
Prepared & Analyzed: 06-Dec-06										
PCB 1016	374		µg/kg wet	28.6	357		105	40-140	3.88	30
PCB 1260	429		µg/kg wet	28.6	357		120	40-140	9.61	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.1*		µg/kg wet		*28.6*		*94.8*	*30-150*		
Duplicate (6120318-DUP1) **Source: SA54999-01**										
Prepared & Analyzed: 06-Dec-06										
PCB 1016	BRL		µg/kg dry	31.1		BRL				40
PCB 1221	BRL		µg/kg dry	31.1		BRL				40
PCB 1232	BRL		µg/kg dry	31.1		BRL				40
PCB 1242	BRL		µg/kg dry	31.1		BRL				40
PCB 1248	BRL		µg/kg dry	31.1		BRL				40
PCB 1254	BRL		µg/kg dry	31.1		BRL				40
PCB 1260	BRL		µg/kg dry	31.1		BRL				40
PCB 1262	BRL		µg/kg dry	31.1		BRL				40
PCB 1268	BRL		µg/kg dry	31.1		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.8*		µg/kg dry		*31.1*		*70.1*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*29.6*		µg/kg dry		*31.1*		*95.2*	*30-150*		
Matrix Spike (6120318-MS1) **Source: SA54999-01**										
Prepared & Analyzed: 06-Dec-06										
PCB 1016	410		µg/kg dry	31.3	391	BRL	105	40-140		
PCB 1260	427		µg/kg dry	31.3	391	BRL	109	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.3*		µg/kg dry		*31.3*		*64.9*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.6*		µg/kg dry		*31.3*		*85.0*	*30-150*		
Matrix Spike Dup (6120318-MSD1) **Source: SA54999-01**										
Prepared & Analyzed: 06-Dec-06										
PCB 1016	394		µg/kg dry	31.5	394	BRL	100	40-140	4.88	50
PCB 1260	427		µg/kg dry	31.5	394	BRL	108	40-140	0.922	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.9*		µg/kg dry		*31.5*		*60.0*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.8*		µg/kg dry		*31.5*		*85.1*	*30-150*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120233 - SW846 3550B										
Matrix Spike (6120233-MS1) Source: SA54993-15										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
1,2,4-Trichlorobenzene	2580		µg/kg dry	210	4250	BRL	60.7	40-140		
Surrogate: 2-Fluorobiphenyl	*2840*		µg/kg dry		*4250*		*66.8*	*30-130*		
Surrogate: 2-Fluorophenol	*2730*		µg/kg dry		*4250*		*64.2*	*15-110*		
Surrogate: Nitrobenzene-d5	*2520*		µg/kg dry		*4250*		*59.3*	*30-130*		
Surrogate: Phenol-d5	*2230*		µg/kg dry		*4250*		*52.5*	*15-110*		
Surrogate: Terphenyl-dl4	*2360*		µg/kg dry		*4250*		*55.5*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3920*		µg/kg dry		*4250*		*92.2*	*15-110*		
Matrix Spike Dup (6120233-MSD1) Source: SA54993-15										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Acenaphthene	2620		µg/kg dry	211	4260	BRL	61.5	40-140	4.83	30
4-Chloro-3-methylphenol	5280		µg/kg dry	211	8510	BRL	62.0	30-130	4.28	30
2-Chlorophenol	5070		µg/kg dry	211	8510	BRL	59.6	30-130	4.99	30
1,4-Dichlorobenzene	2520		µg/kg dry	211	4260	BRL	59.2	40-140	5.20	30
2,4-Dinitrotoluene	2860		µg/kg dry	211	4260	BRL	67.1	40-140	5.04	30
4-Nitrophenol	6180		µg/kg dry	843	8510	BRL	72.6	30-130	6.25	30
N-Nitrosodi-n-propylamine	2830		µg/kg dry	211	4260	BRL	66.4	40-140	4.46	30
Pentachlorophenol	6240		µg/kg dry	211	8510	BRL	73.3	30-130	8.74	30
Phenol	4560		µg/kg dry	211	8510	BRL	53.6	30-130	4.19	30
Pyrene	2150		µg/kg dry	211	4260	BRL	50.5	40-140	5.08	30
1,2,4-Trichlorobenzene	2720		µg/kg dry	211	4260	BRL	63.8	40-140	4.98	30
Surrogate: 2-Fluorobiphenyl	*2950*		µg/kg dry		*4260*		*69.2*	*30-130*		
Surrogate: 2-Fluorophenol	*2860*		µg/kg dry		*4260*		*67.1*	*15-110*		
Surrogate: Nitrobenzene-d5	*2660*		µg/kg dry		*4260*		*62.4*	*30-130*		
Surrogate: Phenol-d5	*2360*		µg/kg dry		*4260*		*55.4*	*15-110*		
Surrogate: Terphenyl-dl4	*2500*		µg/kg dry		*4260*		*58.7*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4120*		µg/kg dry		*4260*		*96.7*	*15-110*		
Batch 6120258 - SW846 3510C										
Blank (6120258-BLK1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	5.00						
Acenaphthylene	BRL		µg/l	0.050						
Aniline	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	0.050						
Anthracene	BRL		µg/l	5.00						
Anthracene	BRL		µg/l	0.050						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	0.050						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	0.050						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	0.050						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	0.050						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	0.050						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120258 - SW846 3510C										
Blank (6120258-BLK1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	0.050						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	0.050						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3'-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	0.050						
Fluorene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	0.050						
Hexachlorobenzene	BRL		µg/l	5.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050						
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	0.050						
2-Methylphenol	BRL		µg/l	5.00						
3,4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	5.00						
Naphthalene	BRL		µg/l	0.050						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	20.0						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	20.0						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120258 - SW846 3510C										
Blank (6120258-BLK1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	20.0						
Phenanthrene	BRL		µg/l	5.00						
Phenanthrene	BRL		µg/l	0.050						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	0.050						
Pyridine	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	1.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	1.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	1.00						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						
Hexachlorobutadiene	BRL		µg/l	0.500						
Surrogate: 2-Fluorobiphenyl	*71.2*		µg/l		*100*		*71.2*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*71.2*		µg/l		*100*		*71.2*	*30-130*		
Surrogate: 2-Fluorophenol	*83.8*		µg/l		*100*		*83.8*	*15-110*		
Surrogate: Nitrobenzene-d5	*69.5*		µg/l		*100*		*69.5*	*30-130*		
Surrogate: Phenol-d5	*80.2*		µg/l		*100*		*80.2*	*15-110*		
Surrogate: Terphenyl-dl4	*59.7*		µg/l		*100*		*59.7*	*30-130*		
Surrogate: Terphenyl-dl4	*59.7*		µg/l		*100*		*59.7*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*105*		µg/l		*100*		*105*	*15-110*		
LCS (6120258-BS1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Acenaphthene	57.6		µg/l	0.050	100		57.6	40-140		
Acenaphthene	57.6		µg/l	5.00	100		57.6	40-130		
Acenaphthylene	58.4		µg/l	5.00	100		58.4	40-130		
Acenaphthylene	58.4		µg/l	0.050	100		58.4	40-140		
Aniline	54.0		µg/l	5.00	100		54.0	40-130		
1-Methylnaphthalene	59.6		µg/l	0.050	100		59.6	40-140		
Anthracene	63.2		µg/l	0.050	100		63.2	40-140		
Anthracene	63.2		µg/l	5.00	100		63.2	40-130		
Atrazine	86.1		µg/l	5.00	100		86.1	0-200		
Azobenzene/Diphenyldiazine	50.0		µg/l	5.00	100		50.0	40-130		
Benzidine	27.4	QC2	µg/l	5.00	100		27.4	40-130		
Benzo (a) anthracene	77.3		µg/l	0.050	100		77.3	40-140		
Benzo (a) anthracene	77.3		µg/l	5.00	100		77.3	40-130		
Benzo (a) pyrene	65.5		µg/l	5.00	100		65.5	40-130		
Benzo (a) pyrene	65.5		µg/l	0.050	100		65.5	40-140		
Benzo (b) fluoranthene	65.1		µg/l	0.050	100		65.1	40-140		
Benzo (b) fluoranthene	65.1		µg/l	5.00	100		65.1	40-130		
Benzo (g,h,i) perylene	73.2		µg/l	0.050	100		73.2	40-140		
Benzo (g,h,i) perylene	73.2		µg/l	5.00	100		73.2	40-130		
Benzo (k) fluoranthene	58.5		µg/l	5.00	100		58.5	40-130		
Benzo (k) fluoranthene	58.5		µg/l	0.050	100		58.5	40-140		
Benzoic acid	1.49	QC2	µg/l	5.00	100		1.49	40-130		
Benzyl alcohol	82.3		µg/l	5.00	100		82.3	40-130		
Bis(2-chloroethoxy)methane	74.9		µg/l	5.00	100		74.9	40-130		
Bis(2-chloroethyl)ether	62.6		µg/l	5.00	100		62.6	40-130		
Bis(2-chloroisopropyl)ether	84.0		µg/l	5.00	100		84.0	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120258 - SW846 3510C										
LCS (6120258-BS1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Bis(2-ethylhexyl)phthalate	67.3		µg/l	5.00	100		67.3	40-130		
4-Bromophenyl phenyl ether	79.8		µg/l	5.00	100		79.8	40-130		
Butyl benzyl phthalate	71.4		µg/l	5.00	100		71.4	40-130		
Carbazole	79.0		µg/l	5.00	100		79.0	40-130		
4-Chloro-3-methylphenol	81.1		µg/l	5.00	100		81.1	40-130		
4-Chloroaniline	46.2		µg/l	5.00	100		46.2	40-130		
2-Chloronaphthalene	59.9		µg/l	5.00	100		59.9	40-130		
2-Chlorophenol	67.4		µg/l	5.00	100		67.4	40-130		
4-Chlorophenyl phenyl ether	55.6		µg/l	5.00	100		55.6	40-130		
Chrysene	77.1		µg/l	0.050	100		77.1	40-140		
Chrysene	77.1		µg/l	5.00	100		77.1	40-130		
Dibenzo (a,h) anthracene	65.4		µg/l	0.050	100		65.4	40-140		
Dibenzo (a,h) anthracene	65.4		µg/l	5.00	100		65.4	40-130		
Dibenzofuran	59.5		µg/l	5.00	100		59.5	40-130		
1,2-Dichlorobenzene	67.2		µg/l	5.00	100		67.2	40-130		
1,3-Dichlorobenzene	66.4		µg/l	5.00	100		66.4	40-130		
1,4-Dichlorobenzene	64.3		µg/l	5.00	100		64.3	40-130		
3,3´-Dichlorobenzidine	60.4		µg/l	5.00	100		60.4	40-130		
2,4-Dichlorophenol	81.6		µg/l	5.00	100		81.6	40-130		
Diethyl phthalate	56.7		µg/l	5.00	100		56.7	40-130		
Dimethyl phthalate	70.9		µg/l	5.00	100		70.9	40-130		
2,4-Dimethylphenol	75.5		µg/l	5.00	100		75.5	40-130		
Di-n-butyl phthalate	62.0		µg/l	5.00	100		62.0	40-130		
4,6-Dinitro-2-methylphenol	63.6		µg/l	5.00	100		63.6	40-130		
2,4-Dinitrophenol	67.3		µg/l	5.00	100		67.3	40-130		
2,4-Dinitrotoluene	73.9		µg/l	5.00	100		73.9	40-130		
2,6-Dinitrotoluene	68.8		µg/l	5.00	100		68.8	40-130		
Di-n-octyl phthalate	49.9		µg/l	5.00	100		49.9	40-130		
Fluoranthene	72.3		µg/l	0.050	100		72.3	40-140		
Fluoranthene	72.3		µg/l	5.00	100		72.3	40-130		
Fluorene	49.3		µg/l	5.00	100		49.3	40-130		
Fluorene	49.3		µg/l	0.050	100		49.3	40-140		
Hexachlorobenzene	76.1		µg/l	5.00	100		76.1	40-130		
Hexachlorobutadiene	73.8		µg/l	5.00	100		73.8	40-130		
Hexachlorocyclopentadiene	72.1		µg/l	5.00	100		72.1	40-130		
Hexachloroethane	64.4		µg/l	5.00	100		64.4	40-130		
Indeno (1,2,3-cd) pyrene	68.2		µg/l	5.00	100		68.2	40-130		
Indeno (1,2,3-cd) pyrene	68.2		µg/l	0.050	100		68.2	40-140		
Isophorone	68.1		µg/l	5.00	100		68.1	40-130		
2-Methylnaphthalene	62.2		µg/l	5.00	100		62.2	40-130		
2-Methylnaphthalene	62.2		µg/l	0.050	100		62.2	40-140		
2-Methylphenol	58.8		µg/l	5.00	100		58.8	40-130		
3,4-Methylphenol	71.2		µg/l	10.0	100		71.2	40-130		
Naphthalene	63.5		µg/l	5.00	100		63.5	40-130		
Naphthalene	63.5		µg/l	0.050	100		63.5	40-140		
2-Nitroaniline	77.0		µg/l	5.00	100		77.0	40-130		
3-Nitroaniline	50.1		µg/l	5.00	100		50.1	40-130		
4-Nitroaniline	54.1		µg/l	20.0	100		54.1	40-130		
Nitrobenzene	56.4		µg/l	5.00	100		56.4	40-130		
2-Nitrophenol	80.9		µg/l	5.00	100		80.9	40-130		
4-Nitrophenol	53.2		µg/l	20.0	100		53.2	40-130		
N-Nitrosodimethylamine	65.5		µg/l	5.00	100		65.5	40-130		
N-Nitrosodi-n-propylamine	45.0		µg/l	5.00	100		45.0	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120258 - SW846 3510C										
LCS (6120258-BS1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
N-Nitrosodiphenylamine	58.2		µg/l	5.00	100		58.2	40-130		
Pentachlorophenol	91.8		µg/l	20.0	100		91.8	40-130		
Phenanthrene	65.8		µg/l	5.00	100		65.8	40-130		
Phenanthrene	65.8		µg/l	0.050	100		65.8	40-140		
Phenol	62.0		µg/l	5.00	100		62.0	40-130		
Pyrene	66.4		µg/l	0.050	100		66.4	40-140		
Pyrene	66.4		µg/l	5.00	100		66.4	40-130		
Pyridine	94.1		µg/l	5.00	100		94.1	40-130		
Hexachlorobenzene	76.1		µg/l	1.00	100		76.1	40-140		
1-Methylnaphthalene	59.6		µg/l	5.00	100		59.6	40-140		
1,2,4-Trichlorobenzene	73.5		µg/l	5.00	100		73.5	40-130		
Hexachloroethane	64.4		µg/l	1.00	100		64.4	40-140		
2,4,5-Trichlorophenol	69.7		µg/l	5.00	100		69.7	40-130		
Pentachlorophenol	91.8		µg/l	1.00	100		91.8	30-130		
Hexachlorobutadiene	73.8		µg/l	0.500	100		73.8	40-140		
2,4,6-Trichlorophenol	65.2		µg/l	5.00	100		65.2	40-130		
Surrogate: 2-Fluorobiphenyl	*68.0*		µg/l		*100*		*68.0*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*68.0*		µg/l		*100*		*68.0*	*30-130*		
Surrogate: 2-Fluorophenol	*82.0*		µg/l		*100*		*82.0*	*15-110*		
Surrogate: Nitrobenzene-d5	*77.7*		µg/l		*100*		*77.7*	*30-130*		
Surrogate: Phenol-d5	*65.5*		µg/l		*100*		*65.5*	*15-110*		
Surrogate: Terphenyl-dl4	*79.6*		µg/l		*100*		*79.6*	*30-130*		
Surrogate: Terphenyl-dl4	*79.6*		µg/l		*100*		*79.6*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*107*		µg/l		*100*		*107*	*15-110*		
Batch 6120316 - SW846 3550B										
Blank (6120316-BLK1)										
Prepared & Analyzed: 06-Dec-06										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120316 - SW846 3550B										
Blank (6120316-BLK1)										
Prepared & Analyzed: 06-Dec-06										
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3,4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	330						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*4890*		µg/kg wet		*6670*		*73.3*	*30-130*		
Surrogate: 2-Fluorophenol	*5060*		µg/kg wet		*6670*		*75.9*	*15-110*		
Surrogate: Nitrobenzene-d5	*4280*		µg/kg wet		*6670*		*64.2*	*30-130*		
Surrogate: Phenol-d5	*4760*		µg/kg wet		*6670*		*71.4*	*15-110*		
Surrogate: Terphenyl-dl4	*4270*		µg/kg wet		*6670*		*64.0*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*6450*		µg/kg wet		*6670*		*96.7*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120316 - SW846 3550B										
LCS (6120316-BS1)										
Prepared & Analyzed: 06-Dec-06										
Acenaphthene	3720		µg/kg wet	330	6670		55.8	40-130		
Acenaphthylene	3860		µg/kg wet	330	6670		57.9	40-130		
Aniline	3330		µg/kg wet	330	6670		49.9	40-130		
Anthracene	4030		µg/kg wet	330	6670		60.4	40-130		
Atrazine	5350		µg/kg wet	330	6670		80.2	40-130		
Azobenzene/Diphenyldiazine	3250		µg/kg wet	330	6670		48.7	40-130		
Benzidine	543	QC2	µg/kg wet	330	6670		8.14	40-130		
Benzo (a) anthracene	4780		µg/kg wet	330	6670		71.7	40-130		
Benzo (a) pyrene	4110		µg/kg wet	330	6670		61.6	40-130		
Benzo (b) fluoranthene	3940		µg/kg wet	330	6670		59.1	40-130		
Benzo (g,h,i) perylene	4580		µg/kg wet	330	6670		68.7	40-130		
Benzo (k) fluoranthene	3980		µg/kg wet	330	6670		59.7	40-130		
Benzoic acid	822	QC2	µg/kg wet	330	6670		12.3	40-130		
Benzyl alcohol	5110		µg/kg wet	330	6670		76.6	40-130		
Bis(2-chloroethoxy)methane	4740		µg/kg wet	330	6670		71.1	40-130		
Bis(2-chloroethyl)ether	4100		µg/kg wet	330	6670		61.5	40-130		
Bis(2-chloroisopropyl)ether	5310		µg/kg wet	330	6670		79.6	40-130		
Bis(2-ethylhexyl)phthalate	4250		µg/kg wet	330	6670		63.7	40-130		
4-Bromophenyl phenyl ether	5100		µg/kg wet	330	6670		76.5	40-130		
Butyl benzyl phthalate	4370		µg/kg wet	330	6670		65.5	40-130		
Carbazole	4960		µg/kg wet	330	6670		74.4	40-130		
4-Chloro-3-methylphenol	5080		µg/kg wet	330	6670		76.2	40-130		
4-Chloroaniline	3320		µg/kg wet	330	6670		49.8	40-130		
2-Chloronaphthalene	3840		µg/kg wet	330	6670		57.6	40-130		
2-Chlorophenol	4290		µg/kg wet	330	6670		64.3	40-130		
4-Chlorophenyl phenyl ether	3880		µg/kg wet	330	6670		58.2	40-130		
Chrysene	4850		µg/kg wet	330	6670		72.7	40-130		
Dibenzo (a,h) anthracene	4190		µg/kg wet	330	6670		62.8	40-130		
Dibenzofuran	3860		µg/kg wet	330	6670		57.9	40-130		
1,2-Dichlorobenzene	4250		µg/kg wet	330	6670		63.7	40-130		
1,3-Dichlorobenzene	4210		µg/kg wet	330	6670		63.1	40-130		
1,4-Dichlorobenzene	4130		µg/kg wet	330	6670		61.9	40-130		
3,3'-Dichlorobenzidine	4120		µg/kg wet	330	6670		61.8	40-130		
2,4-Dichlorophenol	5100		µg/kg wet	330	6670		76.5	40-130		
Diethyl phthalate	3860		µg/kg wet	330	6670		57.9	40-130		
Dimethyl phthalate	4570		µg/kg wet	330	6670		68.5	40-130		
2,4-Dimethylphenol	4740		µg/kg wet	330	6670		71.1	40-130		
Di-n-butyl phthalate	3980		µg/kg wet	330	6670		59.7	40-130		
4,6-Dinitro-2-methylphenol	4020		µg/kg wet	330	6670		60.3	40-130		
2,4-Dinitrophenol	4720		µg/kg wet	330	6670		70.8	40-130		
2,4-Dinitrotoluene	4620		µg/kg wet	330	6670		69.3	40-130		
2,6-Dinitrotoluene	4340		µg/kg wet	330	6670		65.1	40-130		
Di-n-octyl phthalate	3270		µg/kg wet	330	6670		49.0	40-130		
Fluoranthene	4560		µg/kg wet	330	6670		68.4	40-130		
Fluorene	3370		µg/kg wet	330	6670		50.5	40-130		
Hexachlorobenzene	4730		µg/kg wet	330	6670		70.9	40-130		
Hexachlorobutadiene	4750		µg/kg wet	330	6670		71.2	40-130		
Hexachlorocyclopentadiene	4580		µg/kg wet	330	6670		68.7	40-130		
Hexachloroethane	4190		µg/kg wet	330	6670		62.8	40-130		
Indeno (1,2,3-cd) pyrene	4380		µg/kg wet	330	6670		65.7	40-130		
Isophorone	4300		µg/kg wet	330	6670		64.5	40-130		
1-Methylnaphthalene	3980		µg/kg wet	330	6670		59.7	40-140		
2-Methylnaphthalene	4180		µg/kg wet	330	6670		62.7	40-130		
2-Methylphenol	3660		µg/kg wet	330	6670		54.9	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120316 - SW846 3550B										
LCS (6120316-BS1)										
Prepared & Analyzed: 06-Dec-06										
3,4-Methylphenol	4570		µg/kg wet	330	6670		68.5	40-130		
Naphthalene	4110		µg/kg wet	330	6670		61.6	40-130		
2-Nitroaniline	4810		µg/kg wet	330	6670		72.1	40-130		
3-Nitroaniline	3450		µg/kg wet	330	6670		51.7	40-130		
4-Nitroaniline	3470		µg/kg wet	1320	6670		52.0	40-130		
Nitrobenzene	3630		µg/kg wet	330	6670		54.4	40-130		
2-Nitrophenol	4970		µg/kg wet	330	6670		74.5	40-130		
4-Nitrophenol	4470		µg/kg wet	1320	6670		67.0	40-130		
N-Nitrosodimethylamine	4390		µg/kg wet	330	6670		65.8	40-130		
N-Nitrosodi-n-propylamine	2930		µg/kg wet	330	6670		43.9	40-130		
N-Nitrosodiphenylamine	3820		µg/kg wet	330	6670		57.3	40-130		
Pentachlorophenol	5660		µg/kg wet	330	6670		84.9	40-130		
Phenanthrene	4130		µg/kg wet	330	6670		61.9	40-130		
Phenol	3920		µg/kg wet	330	6670		58.8	40-130		
Pyrene	4200		µg/kg wet	330	6670		63.0	40-130		
Pyridine	5660		µg/kg wet	330	6670		84.9	40-130		
1,2,4-Trichlorobenzene	4640		µg/kg wet	330	6670		69.6	40-130		
2,4,5-Trichlorophenol	4500		µg/kg wet	330	6670		67.5	40-130		
2,4,6-Trichlorophenol	4170		µg/kg wet	330	6670		62.5	40-130		
Surrogate: 2-Fluorobiphenyl	*4350*		µg/kg wet		*6670*		*65.2*	*30-130*		
Surrogate: 2-Fluorophenol	*4850*		µg/kg wet		*6670*		*72.7*	*15-110*		
Surrogate: Nitrobenzene-d5	*4820*		µg/kg wet		*6670*		*72.3*	*30-130*		
Surrogate: Phenol-d5	*4070*		µg/kg wet		*6670*		*61.0*	*15-110*		
Surrogate: Terphenyl-d14	*4980*		µg/kg wet		*6670*		*74.7*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*6930*		µg/kg wet		*6670*		*104*	*15-110*		
Duplicate (6120316-DUP1) **Source: SA55022-01**										
Prepared & Analyzed: 06-Dec-06										
Acenaphthene	BRL		µg/kg dry	220		BRL				50
Acenaphthylene	BRL		µg/kg dry	220		BRL				50
Aniline	BRL		µg/kg dry	220		BRL				50
Anthracene	BRL		µg/kg dry	220		BRL				50
Atrazine	BRL		µg/kg dry	220		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	220		BRL				50
Benzidine	BRL		µg/kg dry	220		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	220		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	220		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	220		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	220		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	220		BRL				50
Benzoic acid	BRL		µg/kg dry	220		BRL				50
Benzyl alcohol	BRL		µg/kg dry	220		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	220		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	220		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	220		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	220		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	220		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	220		BRL				50
Carbazole	BRL		µg/kg dry	220		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	220		BRL				50
4-Chloroaniline	BRL		µg/kg dry	220		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	220		BRL				50
2-Chlorophenol	BRL		µg/kg dry	220		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	220		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120316 - SW846 3550B										
Duplicate (6120316-DUP1)	**Source: SA55022-01**									
Prepared & Analyzed: 06-Dec-06										
Chrysene	BRL		µg/kg dry	220		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	220		BRL				50
Dibenzofuran	BRL		µg/kg dry	220		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	220		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	220		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	220		BRL				50
3,3'-Dichlorobenzidine	BRL		µg/kg dry	220		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	220		BRL				50
Diethyl phthalate	BRL		µg/kg dry	220		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	220		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	220		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	220		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	220		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	220		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	220		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	220		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	220		BRL				50
Fluoranthene	BRL		µg/kg dry	220		37.8				50
Fluorene	BRL		µg/kg dry	220		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	220		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	220		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	220		BRL				50
Hexachloroethane	BRL		µg/kg dry	220		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	220		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	220		BRL				50
Isophorone	BRL		µg/kg dry	220		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	220		BRL				50
2-Methylphenol	BRL		µg/kg dry	220		BRL				50
3,4-Methylphenol	BRL		µg/kg dry	220		BRL				50
Naphthalene	BRL		µg/kg dry	220		BRL				50
2-Nitroaniline	BRL		µg/kg dry	220		BRL				50
3-Nitroaniline	BRL		µg/kg dry	220		BRL				50
4-Nitroaniline	BRL		µg/kg dry	880		BRL				50
Nitrobenzene	BRL		µg/kg dry	220		BRL				50
2-Nitrophenol	BRL		µg/kg dry	220		BRL				50
4-Nitrophenol	BRL		µg/kg dry	880		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	220		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	220		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	220		BRL				50
Pentachlorophenol	BRL		µg/kg dry	220		BRL				50
Phenanthrene	BRL		µg/kg dry	220		BRL				50
Phenol	BRL		µg/kg dry	220		BRL				50
Pyrene	BRL		µg/kg dry	220		30.4				50
Pyridine	BRL		µg/kg dry	220		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	220		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	220		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	220		BRL				50
Surrogate: 2-Fluorobiphenyl	*1410*		µg/kg dry		*2220*		*63.5*	*30-130*		
Surrogate: 2-Fluorophenol	*1220*		µg/kg dry		*2220*		*55.0*	*15-110*		
Surrogate: Nitrobenzene-d5	*1130*		µg/kg dry		*2220*		*50.9*	*30-130*		
Surrogate: Phenol-d5	*1230*		µg/kg dry		*2220*		*55.4*	*15-110*		
Surrogate: Terphenyl-d14	*1470*		µg/kg dry		*2220*		*66.2*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1670*		µg/kg dry		*2220*		*75.2*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120316 - SW846 3550B										
Matrix Spike (6120316-MS1) **Source: SA55022-01**										
Prepared & Analyzed: 06-Dec-06										
Acenaphthene	2390		µg/kg dry	221	4460	BRL	53.6	40-140		
4-Chloro-3-methylphenol	4750		µg/kg dry	221	8920	BRL	53.3	30-130		
2-Chlorophenol	4560		µg/kg dry	221	8920	BRL	51.1	30-130		
1,4-Dichlorobenzene	2230		µg/kg dry	221	4460	BRL	50.0	40-140		
2,4-Dinitrotoluene	2480		µg/kg dry	221	4460	BRL	55.6	40-140		
4-Nitrophenol	5210		µg/kg dry	884	8920	BRL	58.4	30-130		
N-Nitrosodi-n-propylamine	2440		µg/kg dry	221	4460	BRL	54.7	40-140		
Pentachlorophenol	6410		µg/kg dry	221	8920	BRL	71.9	30-130		
Phenol	4080		µg/kg dry	221	8920	BRL	45.7	30-130		
Pyrene	1990		µg/kg dry	221	4460	30.4	43.9	40-140		
1,2,4-Trichlorobenzene	2340		µg/kg dry	221	4460	BRL	52.5	40-140		
Surrogate: 2-Fluorobiphenyl	*2720*		µg/kg dry		*4460*		*61.0*	*30-130*		
Surrogate: 2-Fluorophenol	*2480*		µg/kg dry		*4460*		*55.6*	*15-110*		
Surrogate: Nitrobenzene-d5	*2270*		µg/kg dry		*4460*		*50.9*	*30-130*		
Surrogate: Phenol-d5	*2090*		µg/kg dry		*4460*		*46.9*	*15-110*		
Surrogate: Terphenyl-dl4	*2310*		µg/kg dry		*4460*		*51.8*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3720*		µg/kg dry		*4460*		*83.4*	*15-110*		
Matrix Spike Dup (6120316-MSD1) **Source: SA55022-01**										
Prepared & Analyzed: 06-Dec-06										
Acenaphthene	2630		µg/kg dry	220	4450	BRL	59.1	40-140	9.76	30
4-Chloro-3-methylphenol	5050		µg/kg dry	220	8900	BRL	56.7	30-130	6.18	30
2-Chlorophenol	4820		µg/kg dry	220	8900	BRL	54.2	30-130	5.89	30
1,4-Dichlorobenzene	2370		µg/kg dry	220	4450	BRL	53.3	40-140	6.39	30
2,4-Dinitrotoluene	2250		µg/kg dry	220	4450	BRL	50.6	40-140	9.42	30
4-Nitrophenol	4790		µg/kg dry	881	8900	BRL	53.8	30-130	8.20	30
N-Nitrosodi-n-propylamine	2410		µg/kg dry	220	4450	BRL	54.2	40-140	0.918	30
Pentachlorophenol	6610		µg/kg dry	220	8900	BRL	74.3	30-130	3.28	30
Phenol	4290		µg/kg dry	220	8900	BRL	48.2	30-130	5.32	30
Pyrene	2450		µg/kg dry	220	4450	30.4	54.4	40-140	21.4	30
1,2,4-Trichlorobenzene	2430		µg/kg dry	220	4450	BRL	54.6	40-140	3.92	30
Surrogate: 2-Fluorobiphenyl	*2860*		µg/kg dry		*4450*		*64.3*	*30-130*		
Surrogate: 2-Fluorophenol	*2340*		µg/kg dry		*4450*		*52.6*	*15-110*		
Surrogate: Nitrobenzene-d5	*2190*		µg/kg dry		*4450*		*49.2*	*30-130*		
Surrogate: Phenol-d5	*2030*		µg/kg dry		*4450*		*45.6*	*15-110*		
Surrogate: Terphenyl-dl4	*2750*		µg/kg dry		*4450*		*61.8*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3720*		µg/kg dry		*4450*		*83.6*	*15-110*		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120196 - SW846 3005A										
Blank (6120196-BLK1)										
Prepared & Analyzed: 05-Dec-06										
Selenium	BRL		mg/l	0.0150						
Lead	BRL		mg/l	0.0075						
Cadmium	BRL		mg/l	0.0025						
Barium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0040						
Silver	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0050						
LCS (6120196-BS1)										
Prepared & Analyzed: 05-Dec-06										
Lead	0.492		mg/l	0.0075	0.500		98.4	85-115		
Selenium	0.496		mg/l	0.0150	0.500		99.2	85-115		
Arsenic	0.485		mg/l	0.0040	0.500		97.0	85-115		
Silver	0.442		mg/l	0.0050	0.500		88.4	85-115		
Barium	0.515		mg/l	0.0050	0.500		103	85-115		
Cadmium	0.508		mg/l	0.0025	0.500		102	85-115		
Chromium	0.497		mg/l	0.0050	0.500		99.4	85-115		
LCS Dup (6120196-BSD1)										
Prepared & Analyzed: 05-Dec-06										
Lead	0.487		mg/l	0.0075	0.500		97.4	85-115	1.02	20
Selenium	0.487		mg/l	0.0150	0.500		97.4	85-115	1.83	20
Barium	0.512		mg/l	0.0050	0.500		102	85-115	0.584	20
Chromium	0.500		mg/l	0.0050	0.500		100	85-115	0.602	20
Silver	0.440		mg/l	0.0050	0.500		88.0	85-115	0.454	20
Arsenic	0.479		mg/l	0.0040	0.500		95.8	85-115	1.24	20
Cadmium	0.504		mg/l	0.0025	0.500		101	85-115	0.791	20
Duplicate (6120196-DUP1)	**Source: SA54962-01**									
Prepared & Analyzed: 05-Dec-06										
Lead	0.0063	J	mg/l	0.0075		0.0064			1.57	20
Selenium	BRL		mg/l	0.0150		BRL				20
Silver	BRL		mg/l	0.0050		BRL				20
Arsenic	BRL		mg/l	0.0040		BRL				20
Cadmium	0.0018	J	mg/l	0.0025		0.0020			10.5	20
Barium	0.0258		mg/l	0.0050		0.0260			0.772	20
Chromium	0.0103		mg/l	0.0050		0.0104			0.966	20
Matrix Spike (6120196-MS1)	**Source: SA54993-21**									
Prepared & Analyzed: 05-Dec-06										
Selenium	0.496		mg/l	0.0150	0.500	BRL	99.2	75-125		
Lead	0.491		mg/l	0.0075	0.500	BRL	98.2	75-125		
Cadmium	0.507		mg/l	0.0025	0.500	0.0006	101	75-125		
Arsenic	0.481		mg/l	0.0040	0.500	BRL	96.2	75-125		
Chromium	0.502		mg/l	0.0050	0.500	BRL	100	75-125		
Silver	0.441		mg/l	0.0050	0.500	BRL	88.2	75-125		
Barium	0.518		mg/l	0.0050	0.500	0.0066	102	75-125		
Matrix Spike Dup (6120196-MSD1)	**Source: SA54993-21**									
Prepared & Analyzed: 05-Dec-06										
Lead	0.499		mg/l	0.0075	0.500	BRL	99.8	75-125	1.62	20
Selenium	0.496		mg/l	0.0150	0.500	BRL	99.2	75-125	0.00	20
Barium	0.525		mg/l	0.0050	0.500	0.0066	104	75-125	1.34	20
Chromium	0.512		mg/l	0.0050	0.500	BRL	102	75-125	1.97	20
Arsenic	0.485		mg/l	0.0040	0.500	BRL	97.0	75-125	0.828	20

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120196 - SW846 3005A										
Matrix Spike Dup (6120196-MSD1) **Source: SA54993-21**										
Prepared & Analyzed: 05-Dec-06										
Cadmium	0.514		mg/l	0.0025	0.500	0.0006	103	75-125	1.37	20
Silver	0.447		mg/l	0.0050	0.500	BRL	89.4	75-125	1.35	20
Post Spike (6120196-PS1) **Source: SA54993-21**										
Prepared & Analyzed: 05-Dec-06										
Selenium	0.506		mg/l	0.0150	0.500	BRL	101	80-120		
Lead	0.510		mg/l	0.0075	0.500	BRL	102	80-120		
Cadmium	0.526		mg/l	0.0025	0.500	0.0006	105	80-120		
Chromium	0.522		mg/l	0.0050	0.500	BRL	104	80-120		
Silver	0.478		mg/l	0.0050	0.500	BRL	95.6	80-120		
Arsenic	0.502		mg/l	0.0040	0.500	BRL	100	80-120		
Barium	0.547		mg/l	0.0050	0.500	0.0066	108	80-120		
Batch 6120212 - EPA200/SW7000 Series										
Blank (6120212-BLK1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Mercury	BRL		mg/kg wet	0.0298						
Duplicate (6120212-DUP1) **Source: SA54993-01**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Mercury	0.0704		mg/kg dry	0.0359		0.0607			14.8	35
Matrix Spike (6120212-MS1) **Source: SA54993-02**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Mercury	0.448		mg/kg dry	0.0362	0.503	0.0212	84.9	75-125		
Matrix Spike (6120212-MS2) **Source: SA54993-20**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Mercury	0.423		mg/kg dry	0.0326	0.453	BRL	93.4	75-125		
Post Spike (6120212-PS1) **Source: SA54993-02**										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Mercury	0.461		mg/kg dry	0.0365	0.508	0.0212	86.6	75-125		
Reference (6120212-SRM1)										
Prepared: 05-Dec-06 Analyzed: 06-Dec-06										
Mercury	1.22		mg/kg wet	0.0300	1.10		111	68.2-132.1		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120197 - EPA200/SW7000 Series										
Blank (6120197-BLK1)										
Prepared & Analyzed: 05-Dec-06										
Mercury	BRL		mg/l	0.00020						
LCS (6120197-BS1)										
Prepared & Analyzed: 05-Dec-06										
Mercury	0.00249		mg/l	0.00020	0.00250		99.6	80-120		
Duplicate (6120197-DUP1) Source: SA54962-01										
Prepared & Analyzed: 05-Dec-06										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (6120197-MS1) Source: SA54993-21										
Prepared & Analyzed: 05-Dec-06										
Mercury	0.00247		mg/l	0.00020	0.00250	0.00009	95.2	75-125		
Matrix Spike Dup (6120197-MSD1) Source: SA54993-21										
Prepared & Analyzed: 05-Dec-06										
Mercury	0.00237		mg/l	0.00020	0.00250	0.00009	91.2	75-125	4.13	20
Post Spike (6120197-PS1) Source: SA54993-21										
Prepared & Analyzed: 05-Dec-06										
Mercury	0.00244		mg/l	0.00020	0.00250	0.00009	94.0	75-125		
Batch 6120211 - EPA 200 Series										
Blank (6120211-BLK1)										
Prepared: 05-Dec-06 Analyzed: 07-Dec-06										
Selenium	BRL		mg/kg wet	1.38						
Silver	BRL		mg/kg wet	0.917						
Chromium	BRL		mg/kg wet	0.458						
Arsenic	BRL		mg/kg wet	1.38						
Lead	BRL		mg/kg wet	0.688						
Cadmium	BRL		mg/kg wet	0.229						
Barium	BRL		mg/kg wet	0.458						
LCS (6120211-BS1)										
Prepared: 05-Dec-06 Analyzed: 07-Dec-06										
Silver	113		mg/kg wet	1.00	125		90.4	85-115		
Selenium	126		mg/kg wet	1.50	125		101	85-115		
Chromium	127		mg/kg wet	0.500	125		102	85-115		
Arsenic	125		mg/kg wet	1.50	125		100	85-115		
Cadmium	132		mg/kg wet	0.250	125		106	85-115		
Lead	123		mg/kg wet	0.750	125		98.4	85-115		
Barium	136		mg/kg wet	0.500	125		109	85-115		
Duplicate (6120211-DUP1) Source: SA54993-01										
Prepared: 05-Dec-06 Analyzed: 07-Dec-06										
Selenium	BRL		mg/kg dry	1.80		BRL				35
Silver	BRL		mg/kg dry	1.20		BRL				35
Arsenic	3.16		mg/kg dry	1.80		3.71			16.0	35
Cadmium	0.102	J,QR1	mg/kg dry	0.300		0.159			43.7	35
Lead	44.7		mg/kg dry	0.900		39.7			11.8	35
Chromium	14.7		mg/kg dry	0.600		18.6			23.4	35
Barium	133		mg/kg dry	0.600		110			18.9	35
Matrix Spike (6120211-MS1) Source: SA54993-02										
Prepared: 05-Dec-06 Analyzed: 07-Dec-06										
Silver	132		mg/kg dry	1.19	149	BRL	88.6	70-130		
Selenium	132		mg/kg dry	1.79	149	BRL	88.6	70-130		

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120211 - EPA 200 Series										
Matrix Spike (6120211-MS1) **Source: SA54993-02**										
Prepared: 05-Dec-06 Analyzed: 07-Dec-06										
Lead	156		mg/kg dry	0.896	149	11.2	97.2	70-130		
Cadmium	135		mg/kg dry	0.299	149	BRL	90.6	70-130		
Arsenic	144		mg/kg dry	1.79	149	4.83	93.4	70-130		
Chromium	157		mg/kg dry	0.597	149	23.9	89.3	70-130		
Barium	231		mg/kg dry	0.597	149	81.2	101	70-130		
Matrix Spike (6120211-MS2) **Source: SA54993-20**										
Prepared: 05-Dec-06 Analyzed: 07-Dec-06										
Selenium	104		mg/kg dry	1.64	137	BRL	75.9	70-130		
Silver	112		mg/kg dry	1.09	137	BRL	81.8	70-130		
Arsenic	117		mg/kg dry	1.64	137	2.66	83.5	70-130		
Chromium	137		mg/kg dry	0.546	137	19.6	85.7	70-130		
Lead	118		mg/kg dry	0.819	137	11.7	77.6	70-130		
Cadmium	119		mg/kg dry	0.273	137	0.528	86.5	70-130		
Barium	301		mg/kg dry	0.546	137	158	104	70-130		
Post Spike (6120211-PS1) **Source: SA54993-02**										
Prepared: 05-Dec-06 Analyzed: 07-Dec-06										
Silver	142		mg/kg dry	1.22	152	BRL	93.4	85-115		
Selenium	144		mg/kg dry	1.83	152	BRL	94.7	85-115		
Lead	160		mg/kg dry	0.913	152	11.2	97.9	85-115		
Cadmium	139		mg/kg dry	0.304	152	BRL	91.4	85-115		
Arsenic	154		mg/kg dry	1.83	152	4.83	98.1	85-115		
Chromium	165		mg/kg dry	0.608	152	23.9	92.8	85-115		
Barium	240		mg/kg dry	0.608	152	81.2	104	85-115		
Reference (6120211-SRM1)										
Prepared: 05-Dec-06 Analyzed: 07-Dec-06										
Silver	62.1		mg/kg wet	1.00	62.8		98.9	61.2-139		
Selenium	84.3		mg/kg wet	1.50	88.3		95.5	75.7-124.3		
Chromium	35.7		mg/kg wet	0.500	37.2		96.0	78.6-121.4		
Cadmium	57.9		mg/kg wet	0.250	59.7		97.0	81.5-118.8		
Arsenic	124		mg/kg wet	1.50	131		94.7	79.8-120.2		
Lead	79.2		mg/kg wet	0.750	84.7		93.5	80.7-119.3		
Barium	239		mg/kg wet	0.500	241		99.2	82-118.1		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120252 - SW846 3010A										
Blank (6120252-BLK1)										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Lead	BRL		mg/l	0.0075						
Selenium	BRL		mg/l	0.0150						
Arsenic	BRL		mg/l	0.0150						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
Silver	BRL		mg/l	0.0100						
Barium	BRL		mg/l	0.0050						
LCS (6120252-BS1)										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Selenium	1.14		mg/l	0.0150	1.25		91.2	67.3-113		
Lead	1.20		mg/l	0.0075	1.25		96.0	72.8-111		
Cadmium	1.25		mg/l	0.0025	1.25		100	71.8-121		
Arsenic	1.16		mg/l	0.0150	1.25		92.8	68.7-111		
Silver	1.06		mg/l	0.0100	1.25		84.8	56.1-118		
Chromium	1.23		mg/l	0.0050	1.25		98.4	72-119		
Barium	1.28		mg/l	0.0050	1.25		102	77.1-125		
LCS Dup (6120252-BSD1)										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Lead	1.11		mg/l	0.0075	1.25		88.8	72.8-111	7.79	20
Selenium	1.05		mg/l	0.0150	1.25		84.0	67.3-113	8.22	20
Silver	0.990		mg/l	0.0100	1.25		79.2	56.1-118	6.83	20
Chromium	1.13		mg/l	0.0050	1.25		90.4	72-119	8.47	20
Arsenic	1.06		mg/l	0.0150	1.25		84.8	68.7-111	9.01	20
Cadmium	1.15		mg/l	0.0025	1.25		92.0	71.8-121	8.33	20
Barium	1.18		mg/l	0.0050	1.25		94.4	77.1-125	8.13	20
Duplicate (6120252-DUP1) **Source: SA54993-09**										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Lead	0.0067	J	mg/l	0.0075		0.0060			11.0	20
Selenium	BRL		mg/l	0.0150		BRL				20
Chromium	0.0031	J	mg/l	0.0050		BRL				20
Silver	BRL		mg/l	0.0100		BRL				20
Cadmium	BRL		mg/l	0.0025		BRL				20
Arsenic	BRL		mg/l	0.0150		BRL				20
Barium	0.0208	QR1	mg/l	0.0050		0.0106			65.0	20
Matrix Spike (6120252-MS1) **Source: SA54993-08**										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Lead	1.20		mg/l	0.0075	1.25	0.0090	95.3	81-107		
Selenium	1.16		mg/l	0.0150	1.25	BRL	92.8	73-113		
Chromium	1.25		mg/l	0.0050	1.25	0.0026	99.8	83.1-112		
Silver	1.08		mg/l	0.0100	1.25	BRL	86.4	63.7-113		
Arsenic	1.18		mg/l	0.0150	1.25	BRL	94.4	76.7-109		
Cadmium	1.26		mg/l	0.0025	1.25	0.0004	101	81.1-115		
Barium	1.31		mg/l	0.0050	1.25	0.0125	104	85.6-121		
Matrix Spike Dup (6120252-MSD1) **Source: SA54993-08**										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Lead	0.950	M8, QR	mg/l	0.0075	1.25	0.0090	75.3	81-107	23.3	20
Selenium	0.907	M8, QR	mg/l	0.0150	1.25	BRL	72.6	73-113	24.5	20
Chromium	0.978	M8, QR	mg/l	0.0050	1.25	0.0026	78.0	83.1-112	24.4	20
Cadmium	0.988	M8, QR	mg/l	0.0025	1.25	0.0004	79.0	81.1-115	24.2	20
Silver	0.845	QR5	mg/l	0.0100	1.25	BRL	67.6	63.7-113	24.4	20

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120252 - SW846 3010A										
Matrix Spike Dup (6120252-MSD1) Source: SA54993-08										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Arsenic	0.916	M8, QR	mg/l	0.0150	1.25	BRL	73.3	76.7-109	25.2	20
Barium	1.02	M8, QR	mg/l	0.0050	1.25	0.0125	80.6	85.6-121	24.9	20
Post Spike (6120252-PS1) Source: SA54993-08										
Prepared: 06-Dec-06 Analyzed: 07-Dec-06										
Lead	1.22		mg/l	0.0075	1.25	0.0090	96.9	80-120		
Selenium	1.18		mg/l	0.0150	1.25	BRL	94.4	80-120		
Chromium	1.27		mg/l	0.0050	1.25	0.0026	101	80-120		
Arsenic	1.19		mg/l	0.0150	1.25	BRL	95.2	80-120		
Silver	1.13		mg/l	0.0100	1.25	BRL	90.4	80-120		
Cadmium	1.28		mg/l	0.0025	1.25	0.0004	102	80-120		
Barium	1.32		mg/l	0.0050	1.25	0.0125	105	80-120		
Batch 6120253 - EPA200/SW7000 Series										
Blank (6120253-BLK1)										
Prepared & Analyzed: 06-Dec-06										
Mercury	BRL		mg/l	0.00040						
LCS (6120253-BS1)										
Prepared & Analyzed: 06-Dec-06										
Mercury	0.00207		mg/l	0.00040	0.00250		82.8	65.5-119		
Duplicate (6120253-DUP1) Source: SA54993-09										
Prepared & Analyzed: 06-Dec-06										
Mercury	BRL		mg/l	0.00040		BRL				35
Matrix Spike (6120253-MS1) Source: SA54993-08										
Prepared & Analyzed: 06-Dec-06										
Mercury	0.00209		mg/l	0.00040	0.00250	BRL	83.6	62.8-125		
Matrix Spike Dup (6120253-MSD1) Source: SA54993-08										
Prepared & Analyzed: 06-Dec-06										
Mercury	0.00218		mg/l	0.00040	0.00250	BRL	87.2	62.8-125	4.22	35
Post Spike (6120253-PS1) Source: SA54993-08										
Prepared & Analyzed: 06-Dec-06										
Mercury	0.00224		mg/l	0.00040	0.00250	BRL	89.6	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6120334 - General Preparation										
Duplicate (6120334-DUP1) **Source: SA54972-01**										
Prepared & Analyzed: 06-Dec-06										
% Solids	89.9		%			91.0			1.22	20
Batch 6120365 - General Preparation										
Duplicate (6120365-DUP1) **Source: SA54974-01**										
Prepared & Analyzed: 06-Dec-06										
% Solids	62.6		%			61.8			1.29	20
Batch 6120366 - General Preparation										
Duplicate (6120366-DUP1) **Source: SA54993-10**										
Prepared & Analyzed: 06-Dec-06										
% Solids	81.1		%			81.1			0.00	20

Notes and Definitions

*TPH	Calculated as
Comp	Completed
FP	Field Preserved
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR5	RPD out of acceptance range.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
V11	Analyte presence was confirmed by duplicate analysis.
vex2	Field extracted
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.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

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 samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Christopher Hall

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA	Project Name and Number:
Project Location: Busway Newington Junction - CT	Busway Newington Junction - CT/ 171-305
This Form Provides certifications for the following data set: SA54993-01 SA54993-11 SA54993-21 SA54993-02 SA54993-12 SA54993-22 SA54993-03 SA54993-13 SA54993-04 SA54993-14 SA54993-05 SA54993-15 SA54993-06 SA54993-16 SA54993-07 SA54993-17 SA54993-08 SA54993-18 SA54993-09 SA54993-19 SA54993-10 SA54993-20	List Specific Analytical Methods Used: +CT ETPH EPA 200.7 EPA 245.1/7470A SM2540 G Mod. SW 846 8260B SW846 1312 SW846 1312/6010B SW846 1312/7470A SW846 6010B SW846 7471A SW846 8081A SW846 8082 SW846 8260B SW846 8270C SW846 8270C/EPA 625 : VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☐ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

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

Date: 12/7/2006

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

* Reportable Detection Limit BRL = Below Reporting Limit

SA54993m

SPECTRUM ANALYTICAL, INC.
Featuring
GENERAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 12/8/06 Rem 12/8
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Project Mgr.: David Stock - MGI

Invoice To: CTDOT - DAS Contract
c/o LES
WO#0017367
RUSH ORDER # 1532
P.O. No.: RQN:

Project No.: 171-305
Site Name: Busway Project - Newington
Location: Newington Junction State: CT
Sampler(s): C. Knight / C. Cascolo

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report
QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other
State specific reporting standards: CTDEP GB PMC+ RDZ

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	CT ETPH	SVOCs - Pesticides 8270 + 8081A	PCBs - 8082	Total RCRA 8 Metals	SPLP RCRA 8 metals		
954993-01	NJ-11 2-4'	12-3-06		C	SO		3	1			X	X	X	X	X	X		
02	NJ-13 2-4'	↓		↓	↓		↓	↓			↓	↓	↓	↓	↓	↓		
03	NJ-14 2-4'																	
04	NJ-15 2-4'																	
05	NJ-16 2-4'																	
06	NJ-16 4-8'																	
07	NJ-17 2-4'																	
08	NJ-18 1-3'																	
09	NJ-19 0-2'																	
10	NJ-22 2-4'	↓		↓	↓		↓	↓			↓	↓	↓	↓	↓	↓		

☐ Fax results when available to ( )
☒ E-mail to ck@logicalenvironmental.com
EDD Format PDF
Condition upon receipt: ☒ Iced ☐ Ambient ☒ C 6 CCK

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	12/4/06	1301
[signature]	[signature]	12/4/06	1637

SA54993

SPECTRUM ANALYTICAL INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 12/8-06
· All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Project Mgr.: David Stark - MOE

Invoice To: CTDOT - DAS Contract
c/o LES
RUSH ORDER #1532
P.O. No.: RQN:

Project No.: 171-305
Site Name: Busway - Newington
Location: Newington Junction State: CT
Sampler(s): C. Knight / C. Crescenti

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report
QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other
State specific reporting standards: CTDOT GB PMC + RDA

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	CT ETPH	SVOCs + Pesticides 8270 / 608/8	PCBs - 8082	Total Metals RCRA 8	SPLP RCRA 8 Metals			
54993-11	NJ-24 2'-4'	12-3-06		C	SO		3	1			X	X	X	X	X	X			
12	NJ-24 4'-8'																		
13	NJ-27 2'-4'																		
14	NJ-27 4'-8'																		
15	NJ-28 2'-4'																		
16	NJ-29 4'-8'																		
17	NJ-31 2'-4'																		
18	NJ-32 0'-2'																		
19	NJ-33 2'-4'																		
20	NJ-33 4'-8'																		

☐ Fax results when available to ( )
☒ E-mail to ck@logicalenvironmental.com
EDD Format PDF
Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 6 ELR

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	12/4/06	1301
[signature]	[signature]	12/4/06	1630

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

JAN. 16. 2007 1:03PM LAGUIRE GROUP NO. 049 P. 3

SAS4993

SPECTRUM ANALYTICAL, INC.
Featuring
HANNAH TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Project Mgr.: D. Stock

Invoice To: CTDOT - DAS Contract
c/o LES
RUSH ORDER # 1532
P.O. No.: RQN:

Project No.: 171-305
Site Name: Bulway - Newington
Location: Newington Junction State: CT
Sampler(s): C. Knight / C. Criscuolo

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Blank Water X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report
QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other
State specific reporting standards: CTDEP GB PMC RDEC SWPC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs-8260	Total Recoverable Petroleum	CT ETPH	SVOCs-8270				
SA4993-21	FB-2	12-3-06			X1		3	2		1		X	X	X	X				
22	TB-4	↓			X1		1					X							

☐ Fax results when available to ( )
☒ E-mail to ckeologicalenvironmental.com
EDD Format PDF
Condition upon receipt: ☒ Iced ☐ Ambient ☒ C 6

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	12/4/06	1301
[signature]	[signature]	12/4/06	1670