Groundwater Analytical, Inc. P.O.Box 1200 228 Main Street Buzzards Bay, MA 02532 **GROUNDWATER ANALYTICAL**

Telephone: (508) 759-4441 FAX: (508) 759-4475

e-mail

Re:	75723	CC:	
e-mail:	nvesper@entrix.com	Date:	08/30/2004 11:46:46 AM
	ENTRIX, Inc.	Pages:	40
То:	Nicole Vesper	From:	e-mail reporting GWA

NOTE

The format or contents of this e-mail transmission may not meet all applicable National Environmental Laboratory Accreditation Conference (NELAC) Standards for data reporting.

• Comments: Project Number: 75723

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Confidential

GROUNDWATER ANALYTICAL

August 30, 2004

Groundwater Analytical, Inc. P.O. Box 1200 228 Main Street Buzzards Bay, MA 02532

Telephone (508) 759-4441 FAX (508) 759-4475 www.groundwateranalytical.com

Ms. Nicole Vesper ENTRIX, Inc. 10 Corporate Circle Suite 300 New Castle, DE 19720

LABORATORY REPORT

Project:

Buzzards Bay/7079608-2000

Lab ID:

75723

Received:

08-11-04

Dear Nicole:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen

Operations Manager

EHJ/smd Enclosures



Sample Receipt Report

Project: Buzzards Bay/7079608-2000

Client: ENTRIX, Inc.

Lab ID: 75723

Delivery: Hand

Airbill: n/a Lab Receipt: 08-11-04 Temperature: 5'C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID:	75723			Lab	Receipt.			·
·							Y-100 miles (1995)	Notes
Lab ID	FieldID		Matrix	Sampled	Method		CILA	
75723-1	LI-DS-S01		Soil			AHs Low Level		
		Į.		1	MA DEP EPH	Carbon Ranges		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C493945	120 mL Amber Glass	Proline	BX11094	None	п/а	n/a	n/a	
C493943	120 1112 1 11112						ar i i i i i i i i i i i i i i i i i i i	E. Washing and the state of the
Labin	Held ID		Marie	Sampled	Method			
75723-2	LI-DS-S02		Soil			AHs Low Level		
131232		į			MA DEP EPH	Carbon Range:	Only	
	Container	Vendor	QC Lot	Preserv	QC Lot	Ртер	Ship	
Con ID C493944		Proline	BX11094	None	n/a	n/a	n/a	1
C493944	120 THE 7 GHDET CHOS	· · · · · · · ·						Notes
lab ID	rield (O		Maldx	Sampled	Method		t = 700	
75723-3	LI-DS-S03		Soil	8/11/04 10:10		AHs Low Level		
73723-3	LF03:303	ļ			MA DEP EPH	l Carbon Range	s Only	
		Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
Con ID	Container	Proline	BX11094	None	n/a	n/a	n/a	
C493948	120 mL Amber Glass	FIORIRE	BATTOS.					The state of the s
Lab-UD	"Feld ID "	Jaren	Matrix	Sampled	##ethod			Notes 1
			Soil	8/11/04 10:50	EPA 8270C I	PAHs Low Leve	ISIM	1
75723-4	LI-DS-\$04		30			d Carbon Range		
l				D	QC Lot	Prep	Ship	
Con ID	Container	Vendor	QC Lot	Preserv None	n/a	n/a	n/a	
C493946	120 mL Amber Glass	Proline	BX11094	None	100			
			Matrix	Sampled	Method			
L3b IID				8/11/04 11:09	_	PAHs Low Leve	I SIM	
75723-5	ACD-S01		Soil	0/11/04 11:03	I	H Carbon Range		
							Ship	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep n/a	n/a	
C493951	1 120 mL Amber Glass	Proline	BX11094	None	n/a	IVa		
				Sag 463	Method		and the second	Note:
Labil	je pekno.		Made			PAHs Low Leve	al SIM	
75723-€	ACD-S02		Soil	8/11/04 11:20				
1			l			H Carbon Rang		
Con 1D	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C49395		Proline	BX11094	None	n/a	n/a_	n/a	
						an experience		THE PROPERTY OF THE PROPERTY O
tab IĐ	GWID	2.7	Matrix	Sampled		194	_I CIN4	
75723-	7 ACD-S03		Soil	8/11/04 11:2		PAHs Low Lev		·
:					MA DEP EF	PH Carbon Rang		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C49395		+	BX11094	None	n/a	n/a	n/a	_
C-13333		1						and the second s
Lab III	rield (D	digital and the second	Matrix	Sampled		delivered to the second		
75723-			Soil	8/11/04 14:2		PAHs Low Lev		
13123	·				MA DEP E	PH Carbon Ran	ges Only	
<u> </u>		Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
Con ([BX1109		n/a	n/a	n/a	
C49395	58 120 mL Amber Glass	- Lionne	0.11107					The second secon
Lab ii) Field ID		Matrix	5ampled			70.0	Notes and Soles and Soles are sent and sent and sent are sent are sent and sent are sent and sent are sent and sent are sent and sent are sent are sent are sent and sent are sent are sent are sent and sent are
		550 64800 <u>6 7 75 76</u>	Soil	8/11/04 0:0	O EPA 8270	PAHs Low Le	vel SIM	
75723	-9 B33-U1			1		PH Carbon Ran		
			001-	Preserv	QC Lot		Ship	
Con I	D Container	Vendor	QC Lot BX1109		n/a	n/a	n/a	
C4939	60 120 mL Amber Glas	s Proline	DA 1 109	T TONE				



Sample Receipt Report (Continued)

Project: Buzzards Bay/7079608-2000

Client: ENTRIX, Inc. Lab ID: 75723

Delivery: Hand Airbill: n/a

Lab Receipt: 08-11-04

Temperature: 5'C Chain of Custody: Present Custody Seal(s): n/a

Lab ID	Seld ID	Maleix	Sampled	Melhod	The second of th	The state of the s	Notes
	PB-SS-S02	5oil	8/11/04 14:30		AHs Low Level Carbon Ranges		
Con ID C493957	Container Vendor 120 mL Amber Glass Proline	QC Lot BX11094	Preserv None	QC Lot	Prep n/a	Ship n/a	

	ab ID	= sekiD		Matrix	Sampled	Method Notes
E	5723-11	PB-SS-503		Soil		EPA 8270C PAHs Low Level SIM MA DEP EPH Carbon Ranges Only
	Con ID	Container 120 ml. Amber Glass	Vendor Proline	QC Lot BX11094	Preserv None	QC Lot Prep Ship n/a n/a n/a

TablD Felt ID	Matrix Sample	
75723-12 PB-5S-S04	Soil 8/11/04 1	4:55 EPA 8270C PAHs Low Level SIM MA DEP EPH Carbon Ranges Only
Con ID Container Vendor	QC Lot Preser	ry QC Lot Prep Ship
C458929 120 mL Amber Glass Proline	BX12786 None	e n/a n/a nva

Sab ID Held ID	Matrix Sampled	
75723-13 PB-DS-S04		PA 8270C PAHs Low Level SIM MA DEP EPH Carbon Ranges Only
Con ID Container Vendor C458939 120 mt. Amber Glass Proline	QC Lot Preserv BX12786 None	QC Lot Prep Ship n/a n/a n/a

	Mainex	Smoled	Method
Tab 1D Field 1D 75723-14 PB-DS-503	V/	MAXILLE CONTRACTOR IN THE PARTY OF THE PARTY	EPA 8270C PAHs Low Level SIM
73723-14 119-03-303			MA DEP EPH Carbon Ranges Only
Con ID Container Vendor	QC Lot	Preserv	QC Lot Prep Ship
C458927 120 ml Amber Glass Proline	BX12786	None	n/a n/a n/a

tab II	Variable of Australia St. Community of S	Wattle	Sampled	Method	Total Control of the	- 111 ± 1 4 100 100 100 100 100 100 100 100 100	uw- un-	Notes	10 00 00 00 00 00 00 00 00 00 00 00 00 0
75723-		Soil	8/11/04 15:42		AHs Low Level Carbon Range				
Con III C4589	 Vendor Proline	QC Lot BX12786	Preserv None	QC Lot n/a	Prep n/a	Ship n/a			

Tab ID Rield ID	Matrix Sampled	Method Notes
75723-16 PB-DS-S01		B EPA 8270C PAHs Low Level SIM
		MA DEP EPH Carbon Ranges Only OC Lot Prep Ship
Con ID Container Vendor C458933 120 mt Amber Glass Proline	QC Lot Preserv BX12786 None	n/a n/a n/a



Data Certification

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

Lab ID:

75723

Received:

08-11-04 18:00

			MADE	P Compend	num C	a Analytic	ai mici		DEP RTN:		v⁄a	<u>,</u>
	ct Location:	n/a							DEF KIN.			
This 1	om provides ce	rtifications for th	e followit	ng data set:								
EPA 8	270C:	<i>757</i> 23-01,-02,-	03,-04,-05	,-06,-07,-08	,-09,-	10,-11,-12	2,-13,-1	4,-15,-1€	•			
MA D	EP EPH:	75723-01,-02,-	03,-04,-05	,-06,-07,-08	,-09,-	10,-11,-12	2,-13,-1	4,-15,-1€	•			
Samo	le Matrices:	Groundwater	() So	I/Sediment	(X)	Drinking	Water	()	Other	()		
	SW-846	8260B		8151A	()		8330	()	6010B	()	7470A/1A	. ,
	ods Used	8270C	(X)	8081A	()		VPH	_()	6020	()	9012A ²	
As spec	illied in MA DEP	8082		8021B	()		EPH	(X)	7000 S ³	()	Other	' ()
Compe Method	ndium of Analytical	List Release Trac SW-846 Method	ang Number	(RTN), if known	t.	Andrew Children and Children an	1100 000		aide (PAC) Ma	had:	70-60	
- TOTAL CONTRACTOR OF	COOTTO	 SW-846 Method S - SW-846 Method 						ELZZEZA ALTERNA	Angelon and Angelo		2000 X 300 X	am-read
	alimaiapply) An affirmative res							ve Certai	nty" status.			AM
بر												
Α.	Were all sam	ples received by	y the labo	ratory in a c	onditi	on consist	ient Wil	(C)			Yes	
	that describe	d on the Chain-	ot-Custody	document	ation i	or the dat	a sen					
В.	Were all OA	/QC procedures	required:	for the spec	ified a	nalytical i	method	l(s)				
Ь.	included in t	his report follow	required ved includ	ding the rea	uirem	ent to not	e and					
	discuss in a	narrative QC dat	a that did	not meet at	ppropi	iate perfo	rmance	2	!			
	standards or					•					Yes	
i				4. 72								
C.	Does the ana	alytical data incl	uded in th	is report mo	et all	the requi	rement	s				
	for "Presump	tive Certainty,"	as describ	ed in Sectio	n 2.0	of the M/	DEP					
ĺ	document C	AM VII A, Quali	ity Assurai	nce and Qua	ality C	Control Gu	iideline	25				
	for the Acqu	isition and Repo	orting of A	nalytical Da	ata ?						Yes	
_	VDI I ED	H methods only	. Mac the	VPH or FPI	 H met	hod run v	vithout					
D.	VPH and EP	nodifications, as	: was me enecified	in Section 1	1.3?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, italout				Yes	
	-						 .					
	A response to qu	estions E and F I	pelow is re	equired for	Presu	mptive Co	ertainty	status.	(-)			
E.	Were all QC	performance st	andards a	nd recomme	endati	ons for the	e					
1		thods achieved									No	
-			-				find	_		_		
F.		for all analyte-l	ist compo	unas/eleme	nts tor	tne speci	nea			i i	No	
Ì	method(s) re	·	****							<u>.</u>		
-	All No answers a	re addressed in	the attac	ned Project	Narra	tive.				_		
Lthe	e undersigned,	attest under th	e pains a	and penalti	es of	perjuny t	hat, ba	ased upo	n my pers	sonal		
ingu	iry of those res	ponsible for o	btaining	the informa	ation,	the mate	erial co	ontained	in this			
anat	ytical report is,	to the best of	my know	ledge and	belie	f, accurat	te and	complet	e.			
			1									
		6/11	//			n - 4:1		O:	ons Manage			
		-1/ 1-1/				Positio			THE AMOUNTED			
Signa	ature:	/	<i></i>	_		1 031110		Operani	OUS TAIGUING	-1		



Field ID:

LI-DS-S01

Matrix:

Soil

Project:

Buzzards Bay/7079608-2000

Container: Preservation: 120 mL Amber Glass Cool

Client:

ENTRIX, Inc.

QC Batch ID:

SV-1481-P

Laboratory ID: Sampled: 75723-01 08-11-04 08:30 08-11-04 18:00

Instrument ID: Sample Weight: Final Volume: MS-6 HP 6890 15 g

Received: Cleaned Up: Extracted: 08-11-04 18:00 08-24-04 16:00 08-25-04 16:00 08-25-04 23:51 Final Volume: Percent Solids: Dilution Factor: 1 mL 56 1

Analyzed: Analyst:

JJT

ulalyst-	Sentence	Concentration Notes	Units	Reporting Smit
CAS Number	Analyse:	BRL	ug/Kg	18
91-20-3	Naphthalene		ug/Kg	18
91-57-6	2-Methylnaphthalene	BRL	ug/Kg	18
208-96-8	Acenaphthylene	BRL		18
83-32-9	Acenaphthene	BRL	ug/Kg	18
86-73-7	Fluorene	BRL	ug/Kg_	
85-01-8	Phenanthrene	BRI.	ug/Kg	18
	Anthracene	BRL	ug/Kg	18
120-12-7	Fluoranthene	33	ug/Kg	18
206-44-0		32	ug/Kg	18
129-00-0	Pyrene	BRL	⊔g/Kg	18
56-55- <u>3</u>	Benzo[a]anthracene	19	ug/Kg	18
218- <u>0</u> 1-9	Chrysene	BRL	ug/Kg	18
205-99-2	Benzo[b]fluoranthene	BRL	ug/Kg	18
207-08-9	Benzo[k]fluoranthene		ug/Kg	18
50-32-8	Benzo[a]pyrene	19	ug/Kg	18
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		18
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	18
191-24-2	Benzo[g,h,i]perylene	BRL	ug/Kg	10

191-24-2 Bonzolgy-7-15-7				
	Spiled 1	Aeassiced	Recovery	C CEDIAD
QC Surrogate Compound		700	59 %	30 - 130 %
Nitrobenzene-d5	1,200	700		30 - 130 %
	1,200	270	23 % m	
2-Fluorobiphenyl		700	66 %	30 - 1 30 %
Terphenyl-d14	1,200	780		
10/prior)				

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:

RL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

m Surrogate recovery outside recommended limits due to sample matrix interference.



Field ID:

L1-DS-S02

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, inc.

Laboratory ID: Sampled: Received:

75723-02 08-11-04 09:30 08-11-04 18:00 08-24-04 16:00

Cleaned Up: Extracted: Analyzed:

08-25-04 16:00 08-26-04 00:30

Analyst:

Soil Matrix:

Container:

120 mL Amber Glass

Cool Preservation:

QC Batch ID:

SV-1481-P

Instrument ID:

MS-6 HP 6890 15 g

Sample Weight: Final Volume: Percent Solids:

1 mL 66 1

Dilution Factor:

or the Land	Analyte	Concentration Notes	Units	Reporting Until
CAS Number		BRL	ug/Kg	15
91-20-3	Naphthalene	BRL	ug/Kg	15
91-57 <u>-6</u>	2-Methylnaphthalene	BRL	ug/Kg	15
208- <u>9</u> 6-8	Acenaphthylene	BRL	ug/Kg	15
83-32-9	Acenaphthene	BRL	ug/Kg	15
86-73-7	Fluorene	BRL	ug/Kg	15
85-01-8	Phenanthrene	BRL	ug/Kg	15
120-12-7	Anthracene		ug/Kg	15
206-44-0	Fluoranthene	18	ug/Kg	15
129-00-0	Pyrene	24	ug/Kg	15
56-55-3	Benzo[a]anthracene	16	ug/Kg	15
218-01-9	Chrysene	16	ug/Kg	15
205-99-2	Benzo[b]fluoranthene	BRL		15
207-08-9	Benzo[k]fluoranthene	BRL	ug/Kg	15
50-32-8	Benzolalpyrene	17	ug/Kg	
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL	ug/Kg	15
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	15
191-24-2	Benzo[g,h,i]perylene	BRL	_ug/Kg	15
		e Nestre		C Limits

191-24-2 Benzols/1919-3				ec inte
The same of the sa	Spiked	Measured	kecovery	
QC Surrogate Compound	Addison	630	63 %	30 - 130 %
Nitrobenzene-d5	1,000			30 - 130 %
2-Fiuorobiphenyl	1.000	340	34 %	
	1.000	700	70 %	30 - 130 %
Terphenyl-d14	1,000	_ / 00		t t IIC thomas of

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID: Project:

LI-DS-S03

Buzzards Bay/7079608-2000

Dibenzo[a,h]anthracene

Client:

ENTRIX, Inc.

Laboratory ID: Sampled:

75723-03 08-11-04 10:10 08-11-04 18:00

Received: Cleaned Up: Extracted:

08-24-04 16:00 08-25-04 16:00 08-26-04 01:09

Analyzed: Analyst:

IIT

Matrix:

Container:

120 mL Amber Glass

Preservation:

Cool

Soil

QC Batch ID: instrument ID: 5V-1481-P MS-6 HP 6890

ug/Kg

11

Sample Weight: Final Volume:

16 g 1 mL

Percent Solids: Dilution Factor:

86 1

		Concentration Notes	Units	Reporting Limit
CAS Number	Analyte	BRL	ug/Kg	11
91-20-3	Naphthalene		ug/Kg	11
91-57-6	2-Methylnaphthalene	BRL	ug/Kg	11
208-96-8	Acenaphthylene	BRL	ug/Kg	11
83-32-9	Acenaphthene	BRL		11
86-73-7	Fluorene	BRL	ug/Kg	
85-01-8	Phenanthrene	BRL	ug/Kg	11
120-12-7	Anthracene	BRL	ug/Kg_	11
	Fluoranthene	BRL	ug/Kg	11
206-44-0		BRL	ug/Kg	11
129-00-0	Pyrene	BRL	ug/Kg	<u> 11</u>
56-55-3	Benzo[a]anthracene	BRL	ug/Kg	11
218-01-9	Chrysene	BRL	ug/Kg	11
205-99-2	Benzo[b]fluoranthene		ug/Kg	11
207-08-9	Benzo[k]fluoranthene	BRL	ug/Kg	11
50-32-8	Benzo[a]pyrene	BRL		11 -
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL	ug/Kg	11
E2 70 2	Dibenzola hlanthracene	BRL	ug/Kg	

191-24-2 Benzo[g,h,i]pery	rlene		BRL	n8,v8
QC Surrogate Compound	Spiked	Measured	Recovery	OC Limits
Nitrobenzene d5	730	460	63 %	30 - 130 %
2-Fluorobiphenyl	730	360	49 %	30 - 130 % 30 - 130 %
Terphenyl-d14	<i>7</i> 30	590	<u>81 %</u>	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:

Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

BRL



Field ID:

LI-DS-\$04

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

Laboratory ID: Sampled:

75723-04 08-11-04 10:50 08-11-04 18:00 08-24-04 16:00

Cleaned Up: Extracted:

08-25-04 16:00 08-26-04 01:48 Analyzed:

Analyst:

Received:

BT

Matrix:

Container:

Soil

120 mL Amber Glass Cool

Preservation:

SV-1481-P QC Batch ID:

Instrument ID:

MS-6 HP 6890

Sample Weight: Final Volume:

16 g 1 mL

Percent Solids:

78

Dilution	Factor:	1
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CAS Number	Analyte on the second of the s	Concentration Notes	Units	Reporting land
V-444-1-	Naphthalene	BRL	ug/Kg	12
91-20-3		BRL	ug/Kg	12
<u>9</u> 1-57 <u>-</u> 6	2-Methylnaphthalene	BRL	ug/Kg	12
208-96-8	Acenaphthylene	BRL	ug/Kg	12
83-32 - 9	Acenaphthene	BRL	ug/Kg	12
86-73-7	Fluorene		ug/Kg	12
85-01-8	Phenanthrene	BRL	ug/Kg	12
120-12-7	Anthracene	BRL		12
206-44-0	Fluoranthene	BRL	ug/Kg	12
129-00-0	Pyrene	BRL	ug/Kg	
56-55-3	Benzo[a]anthracene	BRL	ug/Kg	12
218-01-9	Chrysene	BRL	ug/Kg	12
205-99-2	Benzo[b]fluoranthene	BRL	ug/Kg	12
207-08-9	Benzo[k]fluoranthene	BRL	ug/Kg	12
	Benzo[a]pyrene	BRL	ug/Kg	12
50-32-8	Indeno[1,2,3-c,d]pyrene	BRL	цg/Kg	_12
193-39-5		BRL	ug/Kg	12
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	12
191- <u>24-</u> 2	Benzo[g,h,i]perylene			

OC Surrogate Compound	Soiked	Measured	Recovery	OCT imits
Nitrobenzene d5	820	350	43 %	30 - 130 %
2-Fluorobiphenyl	820	330	40 %	30 - 130 %
Temberyl-d14	820	620	75_%	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID:

ACD-S01

Matrix:

Soil

Project:

Buzzards Bay/7079608-2000

Container: Preservation: 120 mL Amber Glass

Client:

ENTRIX, Inc.

Cool

Laboratory ID:

75723-05

QC Batch ID:

SV-1481-P

Sampled: Received: 08-11-04 11:09 08-11-04 18:00 08-24-04 16:00 Instrument ID: Sample Weight: MS-6 HP 6890 15 g

Cleaned Up: Extracted: Analyzed:

08-25-04 16:00 08-26-04 02:27 Final Volume: Percent Solids: Dilution Factor:

1 mL 68 1

Analyst:

ĮП

CAS Number	A A A A A A A A A A A A A A A A A A A	Concentration Notes	Units	Reporting I had
91-20-3	Naphthalene	BRL	ug/Kg	14
91-5 <i>7-</i> 6	2-Methylnaphthalene	BRL	ug/Kg	14
208-96-8	Acenaphthylene	BRL	ug/Kg	14
83-32-9	Acenaphthene	BRL	ug/Kg	14
86-73-7	Fluorene	BRL	ug/Kg	14
85-01-8	Phenanthrene	BRL	ug/Kg	14
120-12-7	Anthracene	BRL	ug/Kg	14
206-44-0	Fluoranthene	30	ug/Kg	14
129-00-0	Pyrene	33	ug/Kg	14
56-55-3	Benzo[a]anthracene	19	ug/Kg	14
218-01-9	Chrysene	22	ug/Kg	14
205-99-2	Benzo[b]fluoranthene	14	ug/Kg	14
207-08-9	Benzo[k]fluoranthene	15	ug/Kg	14
50-32-8	Benzo[a]pyrene	22	ug/Kg	14
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL	ug/Kg	14
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	14
191-24-2	Benzo[g,h,i]perylene	BRL	ug/Kg	14

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Nitrobenzene-d5	960	490	51 %	30 - 130 %
2-Fluorobiphenyl	960	390	41 %	30 - 130 %
Terphenyl-d14	960	780	82 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID: Project:

ACD-S02

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

Laboratory ID: Sampled:

75723-06 08-71-04 11:20 08-11-04 18:00 Received: 08-24-04 16:00 Cleaned Up:

Extracted: Analyzed: 08-25-04 16:00 08-26-04 03:06

Analyst:

Matrix:

Soil

Container:

120 mL Amber Glass

Preservation: Cool

QC Batch ID:

Instrument ID:

SV-1481-P MS-6 HP 6890

Sample Weight:

Final Volume:

78

16 g

1 mL

Percent Solids:	•
Dilution Factor:	1

CAS Number	Analyte	Concentration Notes	Units	Reporting t in it
The same of the sa	Naphthalene	BRL	ug/Kg	12
91-20-3	2-Methylnaphthalene	BRL	ug/Kg	12
91-57-6	Acenaphthylene	BRL	ug/Kg	12
208-96-8	Acenaphthene	BRL	ug/Kg	12
33-32-9		BRL	ug/Kg	12
36-73-7	Fluorene	BRL	ug/Kg	12
35-01-8		BRL	ug/Kg	12
20-12-7	Anthracene	BRL	ug/Kg	12
206-44-0	Fluoranthene	BRL	ug/Kg	12
129-00-0	Pyrene	BRL	ug/Kg	12
<u>6-55-3</u>	Benzo[a]anthracene	BRL	ug/Kg	12
218-01-9	Chrysene	BRL	ug/Kg	12
205-99-2	Benzo[b]fluoranthene	BRL	ug/Kg	12
207-08-9	Benzo[k]fluoranthene		ug/Kg	12
50-32-8	Benzo[a]pyrene	BRL	ug/Kg	12
193 -39 -5	Indeno[1,2,3-c,d]pyrene	BRL		12
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	12
191-24-2	Benzo[g,h,i]perylene	BRL	ug/Kg	1.2

QC Surrogate Compound	Spiked	Measured	Recovery	QC: latis
Nitrobenzene-d5	810	470	58 %	30 - 130 %
2-Fluorobiphenyl	810	400	50 %	30 - 130 %
Temberyl-d14	810	660	81 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID:

ACD-S03

Matrix:

Soil

Project:

Buzzards Bay/7079608-2000

Container:

120 mL Amber Glass

Client:

ENTRIX, Inc.

Preservation: QC Batch ID: Cool SV-1481-P

Laboratory ID: Sampled:

75723-07 08-11-04 11:28

Instrument ID:

MS-6 HP 6890

Received:

08-11-04 18:00 08-24-04 16:00

Sample Weight: Final Volume: 16 g 1 mL

Cleaned Up: Extracted:

08-25-04 16:00 08-26-04 03:45 Percent Solids: Dilution Factor:

83

Analyzed: Analyst:

IJΤ

Analyst:	Analyte	Concentration Notes	Units	Reporting Limit
CAS Number		BRL	ug/Kg	11
91-20-3	Naphthalene		ug/Kg	11
91-57-6	2-Methylnaphthalene	BRL		11
208-96-8	Acenaphthylene	BRL	ug/Kg	
83-32-9	Acenaphthene	BRL	ug/Kg_	11
86-73-7	Fluorene	BRL	ug/Kg	11
85-01-8	Phenanthrene	75	ug/Kg	11
120-12-7	Anthracene	23	ug/Kg	11
	Fluoranthene	110	ug/Kg	11
206-44-0		92	ug/Kg	11
129-00-0	Pyrene	52	ид/Кд	11
56-55-3	Benzo[a]anthracene	47	ug/Kg	11
218-01-9	Chrysene		ug/Kg	11
205-99-2	Benzo[b]fluoranthene	38		
207-08-9	Benzo[k]fluoranthene	37	ug/Kg	11
50-32-8	Benzo[a]pyrene	49	ug/Kg	11
193-39-5	Indeno[1,2,3-c,d]pyrene	27	ug/Kg	11
53-70-3	Dibenzo[a,h]anthracene	BRL	_ug/Kg	11
191-24-2	Benzolg,h,i]perylene	29	ug/Kg	11

OC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Nitrobenzene d5	760	410	54 %	30 - 130 %
2-Fluorobiphenyl	760	330	43 %	30 - 130 %
Temberyl-d14	760	570	75 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID:

PB-SS-SO1

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

08-26-04 04:24

Laboratory ID:

75723-08 08-11-04 14:20

Sampled: Received:

08-11-04 18:00 08-24-04 16:00 Cleaned Up: 08-25-04 16:00 Extracted:

Analyzed: Analyst:

HT

Matrix:

Container:

120 mL Amber Glass

Cool Preservation:

QC Batch ID:

SV-1481-P MS-6 HP 6890

Soil

Instrument ID: Sample Weight:

16 g 1 mL

Final Volume: 74 Percent Solids:

Dilution Factor:

1

CAS Number	Analyte	Concentration Notes	Units	Reporting Limi
91-20-3	Naphthalene	BRL	ug/Kg	13
	2-Methylnaphthalene	BRL	ug/Kg	13
91-57-6	Acenaphthylene	BRL.	ug/Kg	13
208-96-8 83-32-9	Acenaphthene	BRL	ug/Kg	13
	Fluorene	BRL	ug/Kg	13
86-73-7	Phenanthrene	BRL	ug/Kg	13
85-01-8	Anthracene	BRL	ug/Kg	13
120-12-7	Fluoranthene	BRL	ug/Kg	13
206-44-0		BRL	ug/Kg	13
129-00-0	Pyrene	BRL	ug/Kg	13
56-55-3	Benzo[a]anthracene	BRL	ug/Kg	13
218-01-9	Chrysene	BRL	ug/Kg	13
205-99-2	Benzo[b]fluoranthene	BRL	ug/Kg	13
207-08-9	Benzo[k]fluoranthene	BRL	ug/Kg	13
50-32-8	Benzo[a]pyrene	BRL	ug/Kg	13
193-39-5	Indeno[1,2,3-c,d]pyrene		ug/Kg	13
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	13
191-24-2	Benzo[g,h,i]perylene	BRL	ug/ Kg	

OC Surrogate Compensed	Spiked	Measured	Recovery	QC Limits
Nitrobenzene d5	850	440	52 %	30 - 130 %
2-Fluorobiphenyl	850	340	40 %	30 - 130 %
Terphenyl-d14	850	630	75 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID:

BSS-01

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

Laboratory ID: Sampled:

75**723-09 08-11-04 00:00**

Received: Cleaned Up: 08-11-04 18:00 08-24-04 16:00 08-25-04 16:00

Extracted: Analyzed:

08-26-04 05:03

Analyst:

JJT

Matrix:

Soil

Container:

120 mL Amber Glass

Preservation: Cool

QC Batch ID:

SV-1481-P MS-6 HP 6890

Instrument ID: Sample Weight:

15 g

Final Volume: Percent Solids:

1 mL 76

Dilution Factor: 1

CAS Number	Analyte	Concentration Notes	- Units	Reporting Limit
91-20-3	Naphthalene	BRL	ug/Kg	13
91-57-6	2-Methylnaphthalene	BRL	ug/Kg	13
208-96-8	Acenaphthylene	BRL	ug/Kg	
83-32-9	Acenaphthene	BRL	ug/Kg	13
86-73-7	Fluorene	BRL		13
85-01-8	Phenanthrene	BRL	ug/Kg	13
120-12-7	Anthracene	BRL	ug/Kg	13
206-44-0	Fluoranthene	BRL	ug/Kg	13
129-00-0	Pyrene	BRL	ug/Kg	13
56-55-3	Benzo[a]anthracene		ug/Kg	13
218-01-9	Chrysene	BRL	ид/Кд	13
205-99-2	Benzo[b]fluoranthene	BRL	ug/Kg	13
207-08-9	Benzo[k]fluoranthene	BRL	ug/Kg	13
50-32-8		BRL	ug/Kg	13
	Benzo[a]pyrene	BRL	ug/Kg	13
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL BRL	ug/Kg	13
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	13
191-24-2	Benzo[g,h,i]perylene	BRL	ug/Kg	13

OC Surrogate Compound	Spiked	Measured	Recovery 1	
Nitrobenzene-d5	860	560	65 %	30 - 130 %
2-Fluorobiphenyl	860	390	46 %	30 - 130 %
Terphenyl-d14	860	660	77 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 35345. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID:

PB-SS-S02

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

Laboratory ID: Sampled:

75723-10 08-11-04 14:30 08-11-04 18:00

Cleaned Up: Extracted:

08-24-04 16:00 08-25-04 16:00 08-26-04 05:42

Analyzed: Analyst:

Received:

Matrix:

Soil

1 mL

77

Container:

120 mL Amber Glass

Preservation: Cool

QC Batch ID:

SV-1481-P

Instrument ID: Sample Weight: MS-6 HP 6890 15 g

Final Volume: Percent Solids:

Dilution Factor: 1

CAS Number	Agalijtie	Concentration Notes	Units:	Reporting Find
91-20-3	Naphthalene	BRL	ug/Kg	13
91-57-6	2-Methylnaphthalene	BRL	ug/Kg	13
208-96-8	Acenaphthylene	BRL	ug/Kg	13
83-32-9	Acenaphthene	BRL	ug/Kg	13
86-73-7	Fluorene	BRL	ug/Kg	13
85-01-8	Phenanthrene	BRL	ug/Kg	13
120-12-7	Anthracene	BRL	ug/Kg	13 —
206-44-0	Fluoranthene	BRL	ug/Kg	13
129-00-0	Pyrene	BRL	ug/Kg	13
56-55-3	Benzo[a]anthracene	BRL	ug/Kg	13
218-01-9	Chrysene	BRL	ug/Kg	13
205-99-2	Benzo[b]fluoranthene	BRL	ug/Kg	13
207-08-9	Benzo[k]fluoranthene	BRL	ug/Kg	13
50-32-8	Benzo[a]pyrene	BRL	ug/Kg	13
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL	ug/Kg	13
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	13
191-24-2	Benzo[g,h,i]perylene	BRL	ug/Kg	13 —

QC Surrogate Compound	Spiked	Measured	Recovery Was and State Control of the Control of th	Transfee into T
Nitrobenzene-d5	850	490	58 %	30 - 130 %
2-Fluorobiphenyl	850	350	41 %	30 - 130 %
Terphenyl-d14	850	640	75 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID:

PB-SS-SO3

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

Laboratory ID: Sampled:

75723-11 08-11-04 14:45

Received: Cleaned Up: 08-11-04 18:00 08-24-04 16:00 08-25-04 16:00

Extracted: Analyzed:

08-26-04 06:21

Analyst:

IJΤ

Matrix:

Soil

Container:

120 mt Amber Glass Cool

Preservation: QC Batch ID:

SV-1481-P

Instrument ID: Sample Weight: MS-6 HP 6890 16 g

Final Volume: Percent Solids:

1 mL 88

Dilution Factor: 1

CAS Number	Analyte	Concentration Notes	- Units	Reporting Limit
91-20-3	Naphthalene	BRI	ид/Кд	11
91-57-6	2-Methylnaphthalene	BRL	ug/Kg	ii
208-96-8	Acenaphthylene	BRL	ug/Kg	11
B3-32-9	Acenaphthene	BRL	ug/Kg	11
86-73-7	Fluorene	BRL	ug/Kg	11
85-01-8	Phenanthrene	BRL	ug/Kg	11
120-12-7	Anthracene	BRL	ug/Kg	11
206-44-0	Fluoranthene	11	ug/Kg	11
129-00-0	Pyrene	BRL	ug/Kg	11
56-55-3	Benzo[a]anthracene	BRL	ug/Kg	11
218-01-9	Chrysene	BRL	ug/Kg	11
205-99-2	Benzo[b]fluoranthene	BRL	ug/Kg	11
207-08-9	Benzo[k]fluoranthene	BRL	ug/Kg	11
50-32-8	Benzo[a]pyrene	BRL	ug/Kg	11
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL	ug/Kg	11
53-70-3	Dibenzo[a,h]anthracene	BRL		
191-24-2	Benzo[g,h,i]perylene	BRL	ug/Kg ug/Kg	<u>11</u> 11

QC Surrogate Compound	Spiked	Measured	Recovery	e celipis
Nitrobenzene-d5	<i>7</i> 10	320	45 %	30 - 130 %
2-Fluorobiphenyl	<i>7</i> 10	240	34 %	30 - 130 %
Terphenyl-d14	710	550	77 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7-5.5 of the method. Sample extraction performed by EPA Method 35345. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID:

PB-5S-S04

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

Laboratory ID: Sampled:

75723-12 08-11-04 14:55 08-11-04 18:00

Received: Cleaned Up:

08-24-04 16:00 08-25-04 16:00

Extracted: Analyzed: Analyst:

08-26-04 07:00

Matrix:

Soil

Cool

Container:

120 mL Amber Glass

Preservation:

QC Batch ID:

SV-1481-P

Instrument ID:

MS-6 HP 6890

Sample Weight: Final Volume:

15 g 1 mL 82

Percent Solids:

Dilution Factor:

CAS Numbe		Concentration Notes	Units :	Reporting Limit
91-20-3	Naphthalene	BRL	ug/Kg	12
91-57-6	2-Methylnaphthalene	BRL	ug/Kg	12
208-96-8	Acenaphthylene	BRL	ug/Kg	12
83-32-9	Acenaphthene	BRL	ug/Kg	12
86-73-7	Fluorene	BRL	ug/Kg	12
85-01-8	Phenanthrene	BRL	ug/Kg	12
120-12-7	Anthracene	BRL	ug/Kg	12
206-44-0	Fluoranthene	BRL		
129-00-0	Pyrene	BRL	ug/Kg	12
56-55-3	Benzo[a]anthracene	BRL	ug/Kg	12
218-01-9	Chrysene	BRL	ug/Kg	12
205-99-2	Benzo[b]fluoranthene		ug/Kg	12
207-08-9	Benzo[k]fluoranthene	BRL	ug/Kg	12
50-32-8	Benzo[a]pyrene	BRL	ug/Kg	12
93-39-5		BRL	ug/Kg	12
	Indeno[1,2,3-c,d]pyrene	BRL	ug/Kg	12
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	12
191-24-2	Benzo(g,h,i)perylene	BRL	ug/Kg	12

QC Sucrogate: Compound	Spiked	Measured	W. Recovery	OF Links
Nitrobenzene d5	800	450	56 %	30 - 130 %
2-Fluorobiphenyl	800	360	45 %	30 - 130 %
Terphenyl-d14	800	640	79 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:



Field ID:

PB-DS-S04

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

Laboratory ID:

75723-13 08-11-04 15:12

Sampled: Received: Cleaned Up:

08-11-04 18:00 08-24-04 16:00

Extracted: Analyzed:

08-25-04 16:00 08-26-04 07:39

Analyst:

JJT

Matrix:

Soil

Container:

120 mL Amber Glass

30 - 130 %

30 - 130 %

30 - 130 %

Preservation:

QC Batch ID:

SV-1481-P

Instrument ID: Sample Weight: MS-6 HP 6890 15 g

Final Volume:

Percent Solids: Dilution Factor: 1 mL 73

Cool

CAS Number	Analyte	Concentration Notes	: Units	- Reporting Lines
91-20-3	Naphthalene	BRL	ug/Kg	14
91-57-6	2-Methylnaphthalene	BRL	ug/Kg	14
208-96-8	Acenaphthylene	BRL	ug/Kg	14
83-32-9	Acenaphthene	BRL	ug/Kg	14
86-73-7	Fluorene	BRL	ug/Kg	14
85-01-8	Phenanthrene	23	ug/Kg	14
120-12-7	Anthracene	BRL	ug/Kg	14
206-44-0	Fluoranthene	50	ug/Kg	14
129-00-0	Pyrene	51	ug/Kg	14
56-55-3	Benzo[a]anthracene	26	ug/Kg	14
218-01-9	Chrysene	26	ug/Kg	14
205-99-2	Benzo[b]fluoranthene	21	ug/Kg	14
207-08-9	Benzo[k]fluoranthene	20	ug/Kg	14
50-32-8	Benzo[a]pyrene	29	ug/Kg	14
193-39-5	Indeno[1,2,3-c,d]pyrene	15	ug/Kg	14
53-70- 3	Dibenzo[a,h]anthracene	BRL	ug/Kg	14
191-24-2	Benzo[g,h,i]perylene	17	ug/Kg	14

900

900

900

510

360

660

Terphenyl-d14

Method Reference:

Nitrobenzene-d5

2-Fluorobiphenyl

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:

RL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

57 %

40 %

7**4** %



Field ID: Project:

PB-DS-S03

Buzzards Bay/7079608-2000

Client: ENTRIX, Inc.

Laboratory ID: Sampled:

Received:

75723-14 08-11-04 15:30 08-11-04 18:00

Cleaned Up: 08-24-04 16:00 08-25-04 16:00 Extracted: Analyzed: 08-26-04 08:18

Analyst: IJТ Matrix:

Soil

Container: Preservation:

120 mL Amber Glass

Cool

QC Batch ID:

SV-1481-P MS-6 HP 6890

Instrument ID: Sample Weight:

15 g 1 mL

Final Volume: Percent Solids:

62 Dilution Factor: 1

CAS Numbe		Concentration Notes	Units	Reporting their
91-20-3	Naphthalene	BRL	ug/Kg	16
91-5 <i>7-</i> 6	2-Methylnaphthalene	BRL	ug/Kg	
208-96-8	Acenaphthylene	BRL		16
33-32-9	Acenaphthene	BRL	ug/Kg	16
36-73-7	Fluorene	BRL	ug/Kg	16
35-01-8	Phenanthrene	23	ug/Kg	16
120-12-7	Anthracene		ug/Kg	<u> </u>
206-44-0	Fluoranthene	BRL	ug/Kg	16
29-00-0	Pyrene	58	ug/Kg	16
6-55-3	Benzolalanthracene	50	ug/Kg	16
18-01-9		25	ug/Kg	16
	Chrysene	27	ug/Kg	16
.05- 9 9-2	Benzo[b]fluoranthene	21	ug/Kg	16
07-08-9	Benzo[k]fluoranthene	20	ug/Kg	16
0-32-8	Benzo[a]pyrene	28	ug/Kg	16
93-39-5	Indeno[1,2,3-c,d]pyrene	BRL	ug/Kg	
3-70-3	Dibenzo[a,h]anthracene	BRL		16
91-24-2	Benzo[g,h,i]perylene	17	ug/Kg	16
	Compound Spike		ug/Kg	16

QC Surrogate Compound	Spiked -	Measured	Recovery	OK I mils
Nitrobenzene-d5	1,100	460	44 %	30 - 130 %
2-Fluorobiphenyl	1,100	260	25 % m	30 - 130 %
Terphenyl-d14	1,100	680	65 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:

Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

Surrogate recovery outside recommended limits due to sample matrix interference.



Field ID:

PB-DS-S02

Project:

Buzzards Bay/7079608-2000

Client:

ENTRIX, Inc.

08-11-04 15:42

08-26-04 08:57

Laboratory ID: Sampled:

75723-15

Received:

08-11-04 18:00 Cleaned Up: 08-24-04 16:00 Extracted: 08-25-04 16:00

Analyzed: Analyst:

JJT

Matrix:

Soil

Container:

120 mL Amber Glass

Preservation: Cool

QC Batch ID:

SV-1481-P MS-6 HP 6890

Instrument ID: Sample Weight:

Final Volume: Percent Solids:

1 mL 60

15 g

Dilution Factor:

CAS Number	Analyte	Concentration Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL	ug/Kg	16
91-57-6	2-Methylnaphthalene	BRL	ug/Kg	16
208-96-8	Acenaphthylene	BRL	ug/Kg	16
83-32-9	Acenaphthene	BRL	ug/Kg	16
86-73-7	Fluorene	BRL	ug/Kg	16
85-01-8	Phenanthrene	35	ug/Kg	16
120-12-7	Anthracene	BRL	ug/Kg	16
206-44-0	Fluoranthene	77	ug/Kg	16
129-00-0	Pyrene	64	ug/Kg	16
56-55-3	Benzo[a]anthracene	33	ug/Kg	16
218-01-9	Chrysene	30	ug/Kg	16
205-99-2	Benzo[b]fluoranthene	25	ug/Kg	16
207-08-9	Benzo[k]fluoranthene	25	ug/Kg	16
50-32-8	Benzo[a]pyrene	34	ug/Kg	16
193-39-5	Indeno[1,2,3-c,d]pyrene	19	ug/Kg	16
53-70-3	Dibenzo[a,h]anthracene	BRL	ug/Kg	16
191-24-2	Benzofg,h,i]perylene	20	ug/Kg	16

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Nitrobenzene-d5	1,100	340	30 %	30 - 130 %
2-Fluorobiphenyl	1,100	160	15 % m	30 - 130 %
Terphenyl-d14	1,100	520	47 %	30 - 130 %

Method Reference:

Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. Sample extraction performed by EPA Method 3545. Cleanup performed by EPA Method 3630C. Results are reported on a dry weight basis.

Report Notations:

Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

Surrogate recovery outside recommended limits due to sample matrix interference.