

# GROUNDWATER ANALYTICAL

## Matrix Spike and Matrix Spike Duplicate EPA Method 8270C

Field ID: **W1C02**  
Project: **Buzzards Bay**  
Client: **GeoInsight, Inc.**  
Matrix: **Solid**  
Container: **250 mL Glass**  
Preservation: **Cool**

	<b>Parent Sample</b>	<b>Matrix Spike</b>	<b>Spike Duplicate</b>
Laboratory ID:	76039-06	76039-26	76039-25
Sampled:	08-25-04 08:05	08-24-04 08:05	08-24-04 08:05
Received:	08-26-04 16:00	08-26-04 16:00	08-26-04 16:00
Extracted:	08-31-04 16:00	09-08-04 19:00	09-08-04 19:00
Analyzed:	09-01-04 02:26	09-09-04 22:36	09-09-04 22:36
Analyst:	JJT	JJT	JJT
QC Batch ID:	SV-1491-P	SV-1491-P	SV-1491-P
Instrument ID:	MS-6 HP 6890	MS-6 HP 6890	MS-6 HP 6890
Sample Weight:	16 g	15 g	16 g
Final Volume:	1 mL	1 mL	1 mL
Percent Solids:	61	61	61
Dilution Factor:	1	1	1

CAS Number	Analyte	Unspiked Sample (ug/Kg)	MS Spiked (ug/Kg)	MS Measured (ug/Kg)	MS Recovery	MSD Spiked (ug/Kg)	MSD Measured (ug/Kg)	MSD Recovery	RPD	QC Limits	
										Spike	RPD
91-20-3	Naphthalene	6	540	260	47 %	520	250	49 %	0 %	40 - 140%	30 %
91-57-6	2-Methylnaphthalene	6	540	260	49 %	520	260	51 %	0 %	40 - 140%	30 %
208-96-8	Acenaphthylene	BRL	540	170	30 %	520	170	32 %	2 %	40 - 140%	30 %
83-32-9	Acenaphthene	BRL	540	290	54 %	520	300	57 %	1 %	40 - 140%	30 %
86-73-7	Fluorene	BRL	540	300	57 %	520	300	59 %	1 %	40 - 140%	30 %
85-01-8	Phenanthrene	6	540	350	65 %	520	340	65 %	4 %	40 - 140%	30 %
120-12-7	Anthracene	BRL	540	390	71 %	520	380	73 %	2 %	40 - 140%	30 %
206-44-0	Fluoranthene	14	540	380	71 %	520	370	71 %	3 %	40 - 140%	30 %
129-00-0	Pyrene	8	540	380	70 %	520	360	70 %	5 %	40 - 140%	30 %
56-55-3	Benzo[a]anthracene	BRL	540	370	69 %	520	350	67 %	8 %	40 - 140%	30 %
218-01-9	Chrysene	6	540	390	71 %	520	350	68 %	9 %	40 - 140%	30 %
205-99-2	Benzo[b]fluoranthene	6	540	350	64 %	520	300	60 %	11 %	40 - 140%	30 %
207-08-9	Benzo[k]fluoranthene	5	540	370	68 %	520	350	66 %	7 %	40 - 140%	30 %
50-32-8	Benzo[a]pyrene	5	540	400	73 %	520	360	70 %	9 %	40 - 140%	30 %
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL	540	400	73 %	520	360	70 %	9 %	40 - 140%	30 %
53-70-3	Dibenzo[a,h]anthracene	BRL	540	400	75 %	520	370	70 %	10 %	40 - 140%	30 %
191-24-2	Benzo[g,h,i]perylene	BRL	540	400	75 %	520	370	71 %	11 %	40 - 140%	30 %

QC Surrogate Compound	Surrogate Recovery								QC Limits	
Nitrobenzene-d5	40%	1,100	560	58%	1,000	530	51%		30 - 130 %	
2-Fluorobiphenyl	40%	1,100	460	42%	1,000	440	42%		30 - 130 %	
Terphenyl-d14	76%	1,100	780	72%	1,000	730	70%		30 - 130 %	

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).  
Sample extraction performed by EPA Method 3546. Results are reported on a dry weight basis.

Report Notations: BRL 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.

# GROUNDWATER ANALYTICAL

## Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

Field ID: W1F05-MS01  
Project: Buzzards Bay/3871-000  
Client: Geolinsight, Inc.

Laboratory ID: 76039-07  
Sampled: 08-26-04 10:50  
Received: 08-26-04 16:00  
Extracted: 08-26-04 20:00  
Analyzed (AL): 08-31-04 19:12  
Analyzed (AR): 08-31-04 19:56  
Analyst: MM

Matrix: Soil  
Container: 120 mL Amber Glass  
Preservation: Cool

QC Batch ID: EP-1935-M  
Instrument ID: GC-9 Agilent 6890  
Sample Weight: 16 g  
Final Volume: 1 mL  
% Solids: 49  
Aliphatic Dilution Factor: 1  
Aromatic Dilution Factor: 1

EPH Ranges		Concentration	Notes	Units	Reporting Limit
n-C9 to n-C18 Aliphatic Hydrocarbons <sup>†</sup>		BRL		mg/Kg	59
n-C19 to n-C36 Aliphatic Hydrocarbons <sup>†</sup>		BRL		mg/Kg	59
n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		mg/Kg	59
Unadjusted n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		mg/Kg	59
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
Fractionation:	2-Fluorobiphenyl	5.2	4.1	79 %	40 - 140 %
	2-Bromonaphthalene	5.2	3.2	61 %	40 - 140 %
Extraction:	Chloro-octadecane	5.2	3.0	57 %	40 - 140 %
	ortho-Terphenyl	5.2	3.3	63 %	40 - 140 %

### QA/QC Certification

1. Were all QA/QC procedures required by the method followed?
  2. Were all performance/acceptance standards for the required QA/QC procedures achieved? Yes
  3. Were any significant modifications made to the method, as specified in Section 11.3.1.1? Yes
- Method non-conformances indicated above are detailed below on this data report, or in the accompanying project narrative and project quality control report. Release of this data is authorized by the accompanying signed project cover letter. The accompanying cover letter, project narrative and quality control report are considered part of this data report.

**Method Reference:** Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (Revision 1.1, 2004).  
Sample extraction performed by microwave accelerated solvent extraction technique. Results are reported on a dry weight basis.

**Report Notations:** BRL 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.  
<sup>†</sup> Hydrocarbon range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>0</sup> n-C11 to n-C22 Aromatic Hydrocarbons range data excludes the method target analyte concentrations.

# GROUNDWATER ANALYTICAL

## EPA Method 8270C Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

Field ID: W1F05-MS01  
Project: Buzzards Bay/3871-000  
Client: Geolinsight, Inc.  
Laboratory ID: 76039-07  
Sampled: 08-26-04 10:50  
Received: 08-26-04 16:00  
Cleaned Up: 08-30-04 22:30  
Extracted: 08-31-04 16:00  
Analyzed: 09-01-04 03:05  
Analyst: JJT

Matrix: Soil  
Container: 120 mL Amber Glass  
Preservation: Cool  
QC Batch ID: SV-1486-P  
Instrument ID: MS-6 HP 6890  
Sample Weight: 15 g  
Final Volume: 1 mL  
Percent Solids: 49  
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL		ug/Kg	20
91-57-6	2-Methylnaphthalene	BRL		ug/Kg	20
208-96-8	Acenaphthylene	BRL		ug/Kg	20
83-32-9	Acenaphthene	BRL		ug/Kg	20
86-73-7	Fluorene	BRL		ug/Kg	20
85-01-8	Phenanthrene	9	j	ug/Kg	20
120-12-7	Anthracene	BRL		ug/Kg	20
206-44-0	Fluoranthene	20		ug/Kg	20
129-00-0	Pyrene	10	j	ug/Kg	20
56-55-3	Benzo[a]anthracene	9	j	ug/Kg	20
218-01-9	Chrysene	11	j	ug/Kg	20
205-99-2	Benzo[b]fluoranthene	11	j	ug/Kg	20
207-08-9	Benzo[k]fluoranthene	BRL		ug/Kg	20
50-32-8	Benzo[a]pyrene	BRL		ug/Kg	20
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/Kg	20
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/Kg	20
191-24-2	Benzo[g,h,i]perylene	BRL		ug/Kg	20

  

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Nitrobenzene-d5	1,300	520	39 %	30 - 130 %
2-Fluorobiphenyl	1,300	340	25 % m	30 - 130 %
Terphenyl-d14	1,300	860	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:** BRL 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.  
j Indicates an estimated value detected below the reporting limit for the analyte.  
m Surrogate recovery outside recommended limits due to sample matrix interference.

# GROUNDWATER ANALYTICAL

## Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

Field ID: W2A14-MS01  
Project: Buzzards Bay/3871-000  
Client: Geolinsight, Inc.  
Laboratory ID: 76039-08  
Sampled: 08-26-04 13:15  
Received: 08-26-04 16:00  
Extracted: 08-26-04 20:00  
Analyzed (AL): 08-31-04 20:41  
Analyzed (AR): 08-31-04 21:25  
Analyst: MM

Matrix: Soil  
Container: 120 mL Amber Glass  
Preservation: Cool  
QC Batch ID: EP-1935-M  
Instrument ID: GC-9 Agilent 6890  
Sample Weight: 15 g  
Final Volume: 1 mL  
% Solids: 72  
Aliphatic Dilution Factor: 1  
Aromatic Dilution Factor: 1

EPH Ranges		Concentration	Notes	Units	Reporting Limit
n-C9 to n-C18 Aliphatic Hydrocarbons <sup>†</sup>		BRL		mg/Kg	41
n-C19 to n-C36 Aliphatic Hydrocarbons <sup>†</sup>		BRL		mg/Kg	41
n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		mg/Kg	41
Unadjusted n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		mg/Kg	41
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
Fractionation:	2-Fluorobiphenyl	3.6	2.5	68 %	40 - 140 %
	2-Bromonaphthalene	3.6	2.1	57 %	40 - 140 %
Extraction:	Chloro-octadecane	3.6	1.8	49 %	40 - 140 %
	ortho-Terphenyl	3.6	1.9	52 %	40 - 140 %

### QA/QC Certification

1. Were all QA/QC procedures required by the method followed? Yes
  2. Were all performance/acceptance standards for the required QA/QC procedures achieved? Yes
  3. Were any significant modifications made to the method, as specified in Section 11.3.1.1? No
- Method non-conformances indicated above are detailed below on this data report, or in the accompanying project narrative and project quality control report. Release of this data is authorized by the accompanying signed project cover letter. The accompanying cover letter, project narrative and quality control report are considered part of this data report.

**Method Reference:** Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (Revision 1.1, 2004).  
Sample extraction performed by microwave accelerated solvent extraction technique. Results are reported on a dry weight basis.

**Report Notations:** BRL 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.

<sup>†</sup> Hydrocarbon range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range.

◊ n-C11 to n-C22 Aromatic Hydrocarbons range data excludes the method target analyte concentrations.

# GROUNDWATER ANALYTICAL

## EPA Method 8270C Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

Field ID: W2A14-MS01  
Project: Buzzards Bay/3871-000  
Client: Geolinsight, Inc.  
Laboratory ID: 76039-08  
Sampled: 08-26-04 13:15  
Received: 08-26-04 16:00  
Cleaned Up: 08-30-04 22:30  
Extracted: 08-31-04 16:00  
Analyzed: 09-01-04 03:44  
Analyst: JJT

Matrix: Soil  
Container: 120 mL Amber Glass  
Preservation: Cool  
QC Batch ID: SV-1486-P  
Instrument ID: MS-6 HP 6890  
Sample Weight: 15 g  
Final Volume: 1 mL  
Percent Solids: 72  
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	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	14		ug/Kg	13
56-55-3	Benzo[a]anthracene	14		ug/Kg	13
218-01-9	Chrysene	6	j	ug/Kg	13
205-99-2	Benzo[b]fluoranthene	6	j	ug/Kg	13
207-08-9	Benzo[k]fluoranthene	5	j	ug/Kg	13
50-32-8	Benzo[a]pyrene	5	j	ug/Kg	13
193-39-5	Indeno[1,2,3-c,d]pyrene	6	j	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
<b>QC Surrogate Compound</b>					
Nitrobenzene-d5	Spiked	Measured	Recovery	QC Limits	
2-Fluorobiphenyl	900	360	39 %	30 - 130 %	
Terphenyl-d14	900	360	40 %	30 - 130 %	
	900	740	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:** BRL 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.  
j Indicates an estimated value detected below the reporting limit for the analyte.

# GROUNDWATER ANALYTICAL

## Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

Field ID: W2A02-TP01  
Project: Buzzards Bay/3871-000  
Client: Geolinsight, Inc.  
Laboratory ID: 76039-15  
Sampled: 08-24-04 08:30  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed (AL): 09-01-04 12:34  
Analyzed (AR): 09-01-04 13:17  
Analyst: MM

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: GC-7 HP 5890  
Sample Volume: 1000 mL  
Final Volume: 1 mL  
Aliphatic Dilution Factor: 1  
Aromatic Dilution Factor: 1

EPH Ranges		Concentration	Notes	Units	Reporting Limit
n-C9 to n-C18 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	500
n-C19 to n-C36 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	500
n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup> <sup>0</sup>		BRL		ug/L	150
Unadjusted n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		ug/L	150
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
Fractionation:	2-Fluorobiphenyl	40	35	87 %	40 - 140 %
	2-Bromonaphthalene	40	35	87 %	40 - 140 %
Extraction:	Chloro-octadecane	40	30	75 %	40 - 140 %
	ortho - Terphenyl	40	35	86 %	40 - 140 %

### QA/QC Certification

1. Were all QA/QC procedures required by the method followed? Yes
  2. Were all performance/acceptance standards for the required QA/QC procedures achieved? Yes
  3. Were any significant modifications made to the method, as specified in Section 11.3? No
- Method non-conformances indicated above are detailed below on this data report, or in the accompanying project narrative and project quality control report. Release of this data is authorized by the accompanying signed project cover letter. The accompanying cover letter, project narrative and quality control report are considered part of this data report.

Method Reference: Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (Revision 1.1, 2004).  
Sample extraction performed by separatory funnel technique.

Report Notations: BRL 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.  
<sup>†</sup> Hydrocarbon range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>0</sup> n-C11 to n-C22 Aromatic Hydrocarbons range data excludes the method target analyte concentrations.

# GROUNDWATER ANALYTICAL

## EPA Method 8270C (Modified) MA DEP EPH Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

Field ID: W2A02-TP01  
Project: Buzzards Bay/3871-000  
Client: GeoInsight, Inc.  
Laboratory ID: 76039-15  
Sampled: 08-24-04 08:30  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed: 09-01-04 12:25  
Analyst: JJT

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: MS-6 HP 6890  
Sample Volume: 1000 mL  
Final Volume: 1 mL  
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL		ug/L	0.5
91-57-6	2-Methylnaphthalene	BRL		ug/L	0.5
208-96-8	Acenaphthylene	BRL		ug/L	0.5
83-32-9	Acenaphthene	BRL		ug/L	0.5
86-73-7	Fluorene	BRL		ug/L	0.5
85-01-8	Phenanthrene	BRL		ug/L	0.5
120-12-7	Anthracene	BRL		ug/L	0.5
206-44-0	Fluoranthene	BRL		ug/L	0.5
129-00-0	Pyrene	BRL		ug/L	0.5
56-55-3	Benzo[a]anthracene	BRL		ug/L	0.5
218-01-9	Chrysene	BRL		ug/L	0.1
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	0.1
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	0.1
50-32-8	Benzo[a]pyrene	BRL		ug/L	0.1
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	0.1
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	0.1
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	0.1
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
ortho-Terphenyl		40	43	107 %	40 - 140 %

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.  
Method protocol modified to include acidification and the surrogate compound in accordance with the MA DEP Method for the Determination of Extractable Petroleum Hydrocarbons.  
Sample extraction performed by EPA Method 3510C.

Report Notations: BRL 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.

# GROUNDWATER ANALYTICAL

## Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

Field ID: W1F04-W01  
Project: Buzzards Bay/3871-000  
Client: GeoInsight, Inc.  
Laboratory ID: 76039-16  
Sampled: 08-24-04 12:32  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed (AL): 09-01-04 14:01  
Analyzed (AR): 09-01-04 14:44  
Analyst: MM

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: GC-7 HP 5890  
Sample Volume: 850 mL  
Final Volume: 1 mL  
Aliphatic Dilution Factor: 1  
Aromatic Dilution Factor: 1

EPH Ranges		Concentration	Notes	Units	Reporting Limit
n-C9 to n-C18 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	590
n-C19 to n-C36 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	590
n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup> <sup>◊</sup>		BRL		ug/L	180
Unadjusted n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		ug/L	180
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
Fractionation:	2-Fluorobiphenyl	47	40	84 %	40 - 140 %
	2-Bromonaphthalene	47	38	81 %	40 - 140 %
Extraction:	Chloro-octadecane	47	37	79 %	40 - 140 %
	ortho-Terphenyl	47	38	81 %	40 - 140 %

### QA/QC Certification

1. Were all QA/QC procedures required by the method followed?
  2. Were all performance/acceptance standards for the required QA/QC procedures achieved?
  3. Were any significant modifications made to the method, as specified in Section 11.3?
- Method non-conformances indicated above are detailed below on this data report, or in the accompanying project narrative and project quality control report. Release of this data is authorized by the accompanying signed project cover letter. The accompanying cover letter, project narrative and quality control report are considered part of this data report.

Method Reference: Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (Revision 1.1, 2004).  
Sample extraction performed by separatory funnel technique.

Report Notations: BRL 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.  
<sup>†</sup> Hydrocarbon range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>◊</sup> n-C11 to n-C22 Aromatic Hydrocarbons range data excludes the method target analyte concentrations.



# GROUNDWATER ANALYTICAL

## MA DEP EPH Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

Field ID: W1F04-W01  
Project: Buzzards Bay/3871-000  
Client: Geolinsight, Inc.  
Laboratory ID: 76039-16  
Sampled: 08-24-04 12:32  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed: 09-01-04 13:04  
Analyst: JJT

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: MS-6 HP 6890  
Sample Volume: 850 mL  
Final Volume: 1 mL  
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL		ug/L	0.6
91-57-6	2-Methylnaphthalene	BRL		ug/L	0.6
208-96-8	Acenaphthylene	BRL		ug/L	0.6
83-32-9	Acenaphthene	BRL		ug/L	0.6
86-73-7	Fluorene	BRL		ug/L	0.6
85-01-8	Phenanthrene	BRL		ug/L	0.6
120-12-7	Anthracene	BRL		ug/L	0.6
206-44-0	Fluoranthene	BRL		ug/L	0.6
129-00-0	Pyrene	BRL		ug/L	0.6
56-55-3	Benzo[a]anthracene	BRL		ug/L	0.6
218-01-9	Chrysene	BRL		ug/L	0.1
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	0.1
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	0.1
50-32-8	Benzo[a]pyrene	BRL		ug/L	0.1
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	0.1
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	0.1
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	0.1
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
ortho- Terphenyl		47	47	100 %	40 - 140 %

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.  
Method protocol modified to include acidification and the surrogate compound in accordance with the MA DEP Method for the Determination of Extractable Petroleum Hydrocarbons.  
Sample extraction performed by EPA Method 3510C.

Report Notations: BRL 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.

# GROUNDWATER ANALYTICAL

## Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

Field ID: **W1C02-TP01**  
Project: **Buzzards Bay/3871-000**  
Client: **Geolnsight, Inc.**  
Laboratory ID: **76039-17**  
Sampled: **08-25-04 08:00**  
Received: **08-26-04 16:00**  
Extracted: **08-26-04 16:00**  
Analyzed (AL): **09-01-04 11:12**  
Analyzed (AR): **09-01-04 11:51**  
Analyst: **MM**

Matrix: **Aqueous**  
Container: **1 L Amber Glass**  
Preservation: **H2SO4/Cool**  
QC Batch ID: **EP-1409-F**  
Instrument ID: **GC-7 HP 5890**  
Sample Volume: **1000 mL**  
Final Volume: **1 mL**  
Aliphatic Dilution Factor: **1**  
Aromatic Dilution Factor: **1**

EPH Ranges		Concentration	Notes	Units	Reporting Limit
n-C9 to n-C18 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	500
n-C19 to n-C36 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	500
n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		ug/L	150
Unadjusted n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		ug/L	150
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
Fractionation:	2-Fluorobiphenyl	40	36	90 %	40 - 140 %
	2-Bromonaphthalene	40	35	87 %	40 - 140 %
Extraction:	Chloro-octadecane	40	33	83 %	40 - 140 %
	ortho-Terphenyl	40	33	83 %	40 - 140 %

### QA/QC Certification

1. Were all QA/QC procedures required by the method followed? Yes
2. Were all performance/acceptance standards for the required QA/QC procedures achieved? Yes
3. Were any significant modifications made to the method, as specified in Section 11.3? No

Method non-conformances indicated above are detailed below on this data report, or in the accompanying project narrative and project quality control report. Release of this data is authorized by the accompanying signed project cover letter. The accompanying cover letter, project narrative and quality control report are considered part of this data report.

Method Reference: Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (Revision 1.1, 2004).  
Sample extraction performed by separatory funnel technique.

Report Notations: BRL 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.  
<sup>†</sup> Hydrocarbon range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>0</sup> n-C11 to n-C22 Aromatic Hydrocarbons range data excludes the method target analyte concentrations.

# GROUNDWATER ANALYTICAL

## EPA Method 8270C (Modified) MA DEP EPH Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

Field ID: W1C02-TP01  
Project: Buzzards Bay/3871-000  
Client: Geolnsight, Inc.  
Laboratory ID: 76039-17  
Sampled: 08-25-04 08:00  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed: 09-01-04 13:44  
Analyst: JJT

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: MS-6 HP 6890  
Sample Volume: 1000 mL  
Final Volume: 1 mL  
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL		ug/L	0.5
91-57-6	2-Methylnaphthalene	BRL		ug/L	0.5
208-96-8	Acenaphthylene	BRL		ug/L	0.5
83-32-9	Acenaphthene	BRL		ug/L	0.5
86-73-7	Fluorene	BRL		ug/L	0.5
85-01-8	Phenanthrene	BRL		ug/L	0.5
120-12-7	Anthracene	BRL		ug/L	0.5
206-44-0	Fluoranthene	BRL		ug/L	0.5
129-00-0	Pyrene	BRL		ug/L	0.5
56-55-3	Benzo[a]anthracene	BRL		ug/L	0.5
218-01-9	Chrysene	BRL		ug/L	0.1
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	0.1
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	0.1
50-32-8	Benzo[a]pyrene	BRL		ug/L	0.1
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	0.1
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	0.1
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	0.1
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
ortho- Terphenyl		40	39	98 %	40 - 140 %

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.  
Method protocol modified to include acidification and the surrogate compound in accordance with the MA DEP Method for the Determination of Extractable Petroleum Hydrocarbons.  
Sample extraction performed by EPA Method 3510C.

Report Notations: BRL 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.

# GROUNDWATER ANALYTICAL

## Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

Field ID: W1C02-TP02  
Project: Buzzards Bay/3871-000  
Client: Geolnsight, Inc.  
Laboratory ID: 76039-18  
Sampled: 08-25-04 08:20  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed (AL): 09-01-04 12:34  
Analyzed (AR): 09-01-04 13:17  
Analyst: MM

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: GC-7 HP 5890  
Sample Volume: 1000 mL  
Final Volume: 1 mL  
Aliphatic Dilution Factor: 1  
Aromatic Dilution Factor: 1

EPH Ranges		Concentration	Notes	Units	Reporting Limit
n-C9 to n-C18 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	500
n-C19 to n-C36 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	500
n-C11 to n-C22 Aromatic Hydrocarbons <sup>† 0</sup>		BRL		ug/L	150
Unadjusted n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		ug/L	150
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
Fractionation:	2-Fluorobiphenyl	40	36	90 %	40 - 140 %
	2-Bromonaphthalene	40	37	91 %	40 - 140 %
Extraction:	Chloro-octadecane	40	32	80 %	40 - 140 %
	ortho-Terphenyl	40	35	89 %	40 - 140 %

### QA/QC Certification

1. Were all QA/QC procedures required by the method followed?
  2. Were all performance/acceptance standards for the required QA/QC procedures achieved?
  3. Were any significant modifications made to the method, as specified in Section 11.3?
- Method non-conformances indicated above are detailed below on this data report, or in the accompanying project narrative and project quality control report. Release of this data is authorized by the accompanying signed project cover letter. The accompanying cover letter, project narrative and quality control report are considered part of this data report.

Method Reference: Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (Revision 1.1, 2004).  
Sample extraction performed by separatory funnel technique.

Report Notations: BRL 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.  
<sup>†</sup> Hydrocarbon range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range.  
<sup>0</sup> n-C11 to n-C22 Aromatic Hydrocarbons range data excludes the method target analyte concentrations.

# GROUNDWATER ANALYTICAL

## EPA Method 8270C (Modified) MA DEP EPH Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

Field ID: W1C02-TP02  
Project: Buzzards Bay/3871-000  
Client: Geolnsight, Inc.  
Laboratory ID: 76039-18  
Sampled: 08-25-04 08:20  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed: 09-01-04 14:23  
Analyst: JJT

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: MS-6 HP 6890  
Sample Volume: 1000 mL  
Final Volume: 1 mL  
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL		ug/L	0.5
91-57-6	2-Methylnaphthalene	BRL		ug/L	0.5
208-96-8	Acenaphthylene	BRL		ug/L	0.5
83-32-9	Acenaphthene	BRL		ug/L	0.5
86-73-7	Fluorene	BRL		ug/L	0.5
85-01-8	Phenanthrene	BRL		ug/L	0.5
120-12-7	Anthracene	BRL		ug/L	0.5
206-44-0	Fluoranthene	BRL		ug/L	0.5
129-00-0	Pyrene	BRL		ug/L	0.5
56-55-3	Benzo[a]anthracene	BRL		ug/L	0.5
218-01-9	Chrysene	BRL		ug/L	0.1
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	0.1
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	0.1
50-32-8	Benzo[a]pyrene	BRL		ug/L	0.1
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	0.1
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	0.1
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	0.1
<b>QC Surrogate Compound</b>		<b>Spiked</b>	<b>Measured</b>	<b>Recovery</b>	<b>QC Limits</b>
ortho-Terphenyl		40	42	104 %	40 - 140 %

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.  
Method protocol modified to include acidification and the surrogate compound in accordance with the MA DEP Method for the Determination of Extractable Petroleum Hydrocarbons.  
Sample extraction performed by EPA Method 3510C.

Report Notations: BRL 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.

# GROUNDWATER ANALYTICAL

## Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

Field ID: W1F05-TP01  
Project: Buzzards Bay/3871-000  
Client: GeoInsight, Inc.  
Laboratory ID: 76039-19  
Sampled: 08-26-04 10:35  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed (AL): 09-01-04 14:01  
Analyzed (AR): 09-01-04 14:44  
Analyst: MM

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: GC-7 HP 5890  
Sample Volume: 1000 mL  
Final Volume: 1 mL  
Aliphatic Dilution Factor: 1  
Aromatic Dilution Factor: 1

EPH Ranges		Concentration	Notes	Units	Reporting Limit
n-C9 to n-C18 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	500
n-C19 to n-C36 Aliphatic Hydrocarbons <sup>†</sup>		BRL		ug/L	500
n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup> °		BRL		ug/L	150
Unadjusted n-C11 to n-C22 Aromatic Hydrocarbons <sup>†</sup>		BRL		ug/L	150
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
Fractionation:	2-Fluorobiphenyl	40	35	88 %	40 - 140 %
	2-Bromonaphthalene	40	34	84 %	40 - 140 %
Extraction:	Chloro-octadecane	40	31	79 %	40 - 140 %
	ortho-Terphenyl	40	32	80 %	40 - 140 %

### QA/QC Certification

1. Were all QA/QC procedures required by the method followed?
  2. Were all performance/acceptance standards for the required QA/QC procedures achieved?
  3. Were any significant modifications made to the method, as specified in Section 11.3?
- Method non-conformances indicated above are detailed below on this data report, or in the accompanying project narrative and project quality control report. Release of this data is authorized by the accompanying signed project cover letter. The accompanying cover letter, project narrative and quality control report are considered part of this data report.

Method Reference: Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (Revision 1.1, 2004).  
Sample extraction performed by separatory funnel technique.

Report Notations: BRL 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.  
<sup>†</sup> Hydrocarbon range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range.  
° n-C11 to n-C22 Aromatic Hydrocarbons range data excludes the method target analyte concentrations.

# GROUNDWATER ANALYTICAL

## EPA Method 8270C (Modified) MA DEP EPH Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

Field ID: W1F05-TP01  
Project: Buzzards Bay/3871-000  
Client: Geolnsight, Inc.  
Laboratory ID: 76039-19  
Sampled: 08-26-04 10:35  
Received: 08-26-04 16:00  
Extracted: 08-26-04 16:00  
Analyzed: 09-01-04 15:02  
Analyst: JJT

Matrix: Aqueous  
Container: 1 L Amber Glass  
Preservation: H2SO4/Cool  
QC Batch ID: EP-1409-F  
Instrument ID: MS-6 HP 6890  
Sample Volume: 1000 mL  
Final Volume: 1 mL  
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL		ug/L	0.5
91-57-6	2-Methylnaphthalene	BRL		ug/L	0.5
208-96-8	Acenaphthylene	BRL		ug/L	0.5
83-32-9	Acenaphthene	BRL		ug/L	0.5
86-73-7	Fluorene	BRL		ug/L	0.5
85-01-8	Phenanthrene	BRL		ug/L	0.5
120-12-7	Anthracene	BRL		ug/L	0.5
206-44-0	Fluoranthene	BRL		ug/L	0.5
129-00-0	Pyrene	BRL		ug/L	0.5
56-55-3	Benzo[a]anthracene	BRL		ug/L	0.5
218-01-9	Chrysene	BRL		ug/L	0.1
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	0.1
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	0.1
50-32-8	Benzo[a]pyrene	BRL		ug/L	0.1
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	0.1
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	0.1
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	0.1
QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
ortho- Terphenyl		40	38	96 %	40 - 140 %

**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.  
Method protocol modified to include acidification and the surrogate compound in accordance with the MA DEP Method for the Determination of Extractable Petroleum Hydrocarbons.  
Sample extraction performed by EPA Method 3510C.

**Report Notations:** BRL 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.

**Project Narrative**

Project: Buzzards Bay/3871-000  
Client: Geolnsight, Inc.

Lab ID: 76039  
Received: 08-26-04 16:00

**A. Documentation and Client Communication**

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. A Matrix Spike and a Matrix Spike Duplicate were performed on sample 'W2A02-MS01', per Kevin Trainer 8-27-04.

**B. Method Modifications, Non-Conformances and Observations**

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. Project Non-conformance. Project 76039 was received at a temperature of 15.0°C. This measurement is outside the recommended range of 2-6°C.
2. EPA 8270C Modification: Samples 76039-01,-02,-03,-04,-05,-06,-07,-08,-25,-26. Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. GC/MS-SIM was used to achieve low quantification limits necessary for regulatory compliance.
3. EPA 8270C Note: Samples 76039-01,-02,-03,-04,-05,-06,-07,-08,-25,-26. Samples were analyzed for only selected polynuclear aromatic hydrocarbons (PAH) target analytes, as requested by client.
4. MA DEP EPH Note: Samples 76039-01,-02,-03,-04,-05,-06,-07,-08,-22,-23. Samples were analyzed for only carbon range analytes, as requested by client.
5. MA DEP EPH Note: Samples 76039-15,-16,-17,-18,-19. Polynuclear aromatic hydrocarbon (PAH) target analytes were identified and quantified by GC/MS-SIM, in accordance with the method provision for alternate determinative methodologies. GC/MS-SIM was used to achieve low quantification limits necessary for regulatory compliance. Target analytes were determined utilizing the same sample extract used for carbon range determination by GC/FID.
6. EPA 8270C Non-conformance: Sample 76039-07. Sample had surrogate recovery outside recommended limits due to sample matrix interference.





## CHAIN-OF-CUSTODY RECORD AND WORK ORDER

No 091188

Name: <b>Wards Bay</b>		Firm: <b>Geolwright</b>		Turnaround		Analysis Request		Chain-of-Custody Record	
Number: <b>8871-000</b>		Address: <b>319 Littleton Rd</b>		<input checked="" type="checkbox"/> STANDARD (10 Business Days) <input type="checkbox"/> PRIORITY (5 Business Days) <input type="checkbox"/> RUSH (FAX) (rush requires Rush Authorization Number)		Volatiles: <input type="checkbox"/> TIC Search <input type="checkbox"/> TIC Search <input type="checkbox"/> TIC Search Semivolatiles: <input type="checkbox"/> TIC Search <input type="checkbox"/> TIC Search <input type="checkbox"/> TIC Search Perfluorinated: <input type="checkbox"/> TIC Search <input type="checkbox"/> TIC Search <input type="checkbox"/> TIC Search		Relinquished by Sampler: <b>[Signature]</b> Date: <b>8/24/00</b> Time: <b>11:00</b> Relinquished by: <b>[Signature]</b> Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
City / State / Zip: <b>Westford, MA 01884</b>		Telephone: <b>978-692-1114</b>		Please Email to: <b>[Blank]</b> Please FAX to: <b>978-692-1115</b> <b>BILLING</b> Purchase Order No.: <b>[Blank]</b> Third Party Billing: <input type="checkbox"/> GWA Quote: <input type="checkbox"/>		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Manager: <b>in Trainer</b>		Instructions: Use separate line for each container (except replicates). <b>Wards Bay</b> <b>Wards Bay</b> <b>Wards Bay</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Sample Identification: <b>Wards Bay</b> <b>Wards Bay</b> <b>Wards Bay</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Laboratory Number (Lab Use Only): <b>70039</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Laboratory Number (Lab Use Only): <b>70039</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Laboratory Number (Lab Use Only): <b>70039</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Laboratory Number (Lab Use Only): <b>70039</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Laboratory Number (Lab Use Only): <b>70039</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Laboratory Number (Lab Use Only): <b>70039</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>	
Laboratory Number (Lab Use Only): <b>70039</b>		Matrix: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Type: <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS Container(s): <input type="checkbox"/> OTHER SOLID <input type="checkbox"/> OTHER LIQUID <input type="checkbox"/> OTHER GASEOUS		Method: <input type="checkbox"/> Solid and Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Liquid Specify for Water Samples: <input type="checkbox"/> Solid <input type="checkbox"/> Liquid		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature: <b>15°C</b> Container Count: <b>150</b>		Date: <b>8/24/00</b> Time: <b>11:00</b> Receipt Temperature	