LANDAU ASSOCIATES

☑ Seattle (Edmonds) (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (Tigard) (503) 443-6010
☐ _____

1217

5, 5, 6, 3, 3, 4.5, 3.8

Chain-of-Custody Record

Date 1-23-06
Page 1 of 1

Project Name Port of Anacortes Project No. 529009
Project Location/Event Anacortes, WA
Sampler's Name Evalyn Albright / Mario Lopez
Project Contact Stacy Pischer
Send Results To Stacy Pischer / Anne Halverson

Testing Parameters

Turnaround Time
☑ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	TPH-Gx, VOCs, Vinyl Chloride	TPH-Dx, SVOCs, cPAHs	PCBs	Pesticides	Total/Dis. metals*	Chloride, ammonia	Nitrate/nitrite	Sulfate/sulfide	Phenol, resinacids	Tannin/lignins	Dioxin/furan	MS/MSD	Observations/Comments
MW-111	1-23-06	1450	Water	42	X	X			X	X	X	X	X	X		X	
MW-103	↓	1455	↓	~~16~~ 14	X	X			X	X	X	X	X	X			
MW-109		1730		16	X	X			X	X	X	X	X	X			
MW-101		1820		16	X	X			X	X	X	X	X	X	X		
MW-105		1935		15	X	X	X		X	X	X	X	X				
MW-106		2000		17	X	X	X		X	X	X	X	X	X			

✓ Allow water samples to settle, collect aliquot from clear portion

NWTPH-Dx:
✓ run acid wash/silica gel cleanup
___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

✓ Dissolved metal water samples field filtered

Other * metals include As, Sb, Cd, Cu, Pb, Hg, Ni, Tl

Special Shipment/Handling or Storage Requirements store on ice

Method of Shipment courier

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name evalyn albright	Printed Name Bryan R. Bussey	Printed Name	Printed Name
Company Landau Assoc.	Company ARI	Company	Company
Date 1-23-06 Time 2300	Date 1.24.06 Time 1512	Date _____ Time _____	Date _____ Time _____

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 4/01

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-012706
METHOD BLANK

Lab Sample ID: MB-012706
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 16:17
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	< 5.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: MB-012706 QC Report No: IZ17-Landau Associates
LIMS ID: 06-1022 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 16:17

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-05-1	Guaiacol	1.0	< 1.0 U
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	< 1.0 U
2668-24-8	4,5,6-Trichloroguaiacol	1.0	< 1.0 U
57057-83-7	3,4,5-Trichloroguaiacol	1.0	< 1.0 U
2539-17-5	Tetrachloroguaiacol	2.0	< 2.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	88.8%	2-Fluorobiphenyl	73.6%
d14-p-Terphenyl	86.8%	d4-1,2-Dichlorobenzene	58.8%
d5-Phenol	73.1%	2-Fluorophenol	74.4%
2,4,6-Tribromophenol	82.4%	d4-2-Chlorophenol	78.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-111**
 SAMPLE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 17:25
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	< 5.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-111**
 SAMPLE

Lab Sample ID: IZ17A QC Report No: IZ17-Landau Associates
LIMS ID: 06-1022 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 17:25

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-05-1	Guaiacol	1.0	< 1.0 U
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	< 1.0 U
2668-24-8	4,5,6-Trichloroguaiacol	1.0	< 1.0 U
57057-83-7	3,4,5-Trichloroguaiacol	1.0	< 1.0 U
2539-17-5	Tetrachloroguaiacol	2.0	< 2.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.8%	2-Fluorobiphenyl	64.0%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	50.8%
d5-Phenol	63.2%	2-Fluorophenol	63.2%
2,4,6-Tribromophenol	74.7%	d4-2-Chlorophenol	67.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-111**
Page 1 of 2 **MATRIX SPIKE**

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 17:59
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	---
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	---
95-57-8	2-Chlorophenol	1.0	---
541-73-1	1,3-Dichlorobenzene	1.0	---
106-46-7	1,4-Dichlorobenzene	1.0	---
100-51-6	Benzyl Alcohol	5.0	---
95-50-1	1,2-Dichlorobenzene	1.0	---
95-48-7	2-Methylphenol	1.0	---
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	---
106-44-5	4-Methylphenol	1.0	---
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	---
67-72-1	Hexachloroethane	1.0	---
98-95-3	Nitrobenzene	1.0	---
78-59-1	Isophorone	1.0	---
88-75-5	2-Nitrophenol	5.0	---
105-67-9	2,4-Dimethylphenol	1.0	---
65-85-0	Benzoic Acid	10	---
111-91-1	bis(2-Chloroethoxy) Methane	1.0	---
120-83-2	2,4-Dichlorophenol	5.0	---
120-82-1	1,2,4-Trichlorobenzene	1.0	---
91-20-3	Naphthalene	1.0	---
106-47-8	4-Chloroaniline	5.0	---
87-68-3	Hexachlorobutadiene	1.0	---
59-50-7	4-Chloro-3-methylphenol	5.0	---
91-57-6	2-Methylnaphthalene	1.0	---
77-47-4	Hexachlorocyclopentadiene	5.0	---
88-06-2	2,4,6-Trichlorophenol	5.0	---
95-95-4	2,4,5-Trichlorophenol	5.0	---
91-58-7	2-Chloronaphthalene	1.0	---
88-74-4	2-Nitroaniline	5.0	---
131-11-3	Dimethylphthalate	1.0	---
208-96-8	Acenaphthylene	1.0	---
99-09-2	3-Nitroaniline	5.0	---
83-32-9	Acenaphthene	1.0	---
51-28-5	2,4-Dinitrophenol	10	---
100-02-7	4-Nitrophenol	5.0	---
132-64-9	Dibenzofuran	1.0	---
606-20-2	2,6-Dinitrotoluene	5.0	---
121-14-2	2,4-Dinitrotoluene	5.0	---
84-66-2	Diethylphthalate	1.0	---

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-111**
 MATRIX SPIKE

Lab Sample ID: IZ17A QC Report No: IZ17-Landau Associates
LIMS ID: 06-1022 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 17:59

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	---
86-73-7	Fluorene	1.0	---
100-01-6	4-Nitroaniline	5.0	---
534-52-1	4,6-Dinitro-2-Methylphenol	10	---
86-30-6	N-Nitrosodiphenylamine	1.0	---
101-55-3	4-Bromophenyl-phenylether	1.0	---
118-74-1	Hexachlorobenzene	1.0	---
87-86-5	Pentachlorophenol	5.0	---
85-01-8	Phenanthrene	1.0	---
86-74-8	Carbazole	1.0	---
120-12-7	Anthracene	1.0	---
84-74-2	Di-n-Butylphthalate	1.0	---
206-44-0	Fluoranthene	1.0	---
129-00-0	Pyrene	1.0	---
85-68-7	Butylbenzylphthalate	1.0	---
91-94-1	3,3'-Dichlorobenzidine	5.0	---
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	---
117-84-0	Di-n-Octyl phthalate	1.0	---
191-24-2	Benzo(g,h,i)perylene	1.0	---
90-05-1	Guaiacol	1.0	---
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	---
2668-24-8	4,5,6-Trichloroguaiacol	1.0	---
57057-83-7	3,4,5-Trichloroguaiacol	1.0	---
2539-17-5	Tetrachloroguaiacol	2.0	---

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	86.0%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	60.4%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	64.5%	2-Fluorophenol	66.1%
2,4,6-Tribromophenol	77.6%	d4-2-Chlorophenol	70.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MW-111
MATRIX SPIKE DUP

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 18:33
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	---
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	---
95-57-8	2-Chlorophenol	1.0	---
541-73-1	1,3-Dichlorobenzene	1.0	---
106-46-7	1,4-Dichlorobenzene	1.0	---
100-51-6	Benzyl Alcohol	5.0	---
95-50-1	1,2-Dichlorobenzene	1.0	---
95-48-7	2-Methylphenol	1.0	---
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	---
106-44-5	4-Methylphenol	1.0	---
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	---
67-72-1	Hexachloroethane	1.0	---
98-95-3	Nitrobenzene	1.0	---
78-59-1	Isophorone	1.0	---
88-75-5	2-Nitrophenol	5.0	---
105-67-9	2,4-Dimethylphenol	1.0	---
65-85-0	Benzoic Acid	10	---
111-91-1	bis(2-Chloroethoxy) Methane	1.0	---
120-83-2	2,4-Dichlorophenol	5.0	---
120-82-1	1,2,4-Trichlorobenzene	1.0	---
91-20-3	Naphthalene	1.0	---
106-47-8	4-Chloroaniline	5.0	---
87-68-3	Hexachlorobutadiene	1.0	---
59-50-7	4-Chloro-3-methylphenol	5.0	---
91-57-6	2-Methylnaphthalene	1.0	---
77-47-4	Hexachlorocyclopentadiene	5.0	---
88-06-2	2,4,6-Trichlorophenol	5.0	---
95-95-4	2,4,5-Trichlorophenol	5.0	---
91-58-7	2-Chloronaphthalene	1.0	---
88-74-4	2-Nitroaniline	5.0	---
131-11-3	Dimethylphthalate	1.0	---
208-96-8	Acenaphthylene	1.0	---
99-09-2	3-Nitroaniline	5.0	---
83-32-9	Acenaphthene	1.0	---
51-28-5	2,4-Dinitrophenol	10	---
100-02-7	4-Nitrophenol	5.0	---
132-64-9	Dibenzofuran	1.0	---
606-20-2	2,6-Dinitrotoluene	5.0	---
121-14-2	2,4-Dinitrotoluene	5.0	---
84-66-2	Diethylphthalate	1.0	---

Sample ID: MW-111
MATRIX SPIKE DUP

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Date Analyzed: 02/02/06 18:33

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	---
86-73-7	Fluorene	1.0	---
100-01-6	4-Nitroaniline	5.0	---
534-52-1	4,6-Dinitro-2-Methylphenol	10	---
86-30-6	N-Nitrosodiphenylamine	1.0	---
101-55-3	4-Bromophenyl-phenylether	1.0	---
118-74-1	Hexachlorobenzene	1.0	---
87-86-5	Pentachlorophenol	5.0	---
85-01-8	Phenanthrene	1.0	---
86-74-8	Carbazole	1.0	---
120-12-7	Anthracene	1.0	---
84-74-2	Di-n-Butylphthalate	1.0	---
206-44-0	Fluoranthene	1.0	---
129-00-0	Pyrene	1.0	---
85-68-7	Butylbenzylphthalate	1.0	---
91-94-1	3,3'-Dichlorobenzidine	5.0	---
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	---
117-84-0	Di-n-Octyl phthalate	1.0	---
191-24-2	Benzo(g,h,i)perylene	1.0	---
90-05-1	Guaiacol	1.0	---
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	---
2668-24-8	4,5,6-Trichloroguaiacol	1.0	---
57057-83-7	3,4,5-Trichloroguaiacol	1.0	---
2539-17-5	Tetrachloroguaiacol	2.0	---

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	86.8%	2-Fluorobiphenyl	69.2%
d14-p-Terphenyl	65.6%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	66.4%	2-Fluorophenol	67.2%
2,4,6-Tribromophenol	78.1%	d4-2-Chlorophenol	72.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MW-103
SAMPLE

Lab Sample ID: IZ17B
LIMS ID: 06-1023
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 19:07
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	< 5.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: IZ17B QC Report No: IZ17-Landau Associates
LIMS ID: 06-1023 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 19:07

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-05-1	Guaiacol	1.0	< 1.0 U
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	< 1.0 U
2668-24-8	4,5,6-Trichloroguaiacol	1.0	< 1.0 U
57057-83-7	3,4,5-Trichloroguaiacol	1.0	< 1.0 U
2539-17-5	Tetrachloroguaiacol	2.0	< 2.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	80.8%	2-Fluorobiphenyl	63.6%
d14-p-Terphenyl	58.8%	d4-1,2-Dichlorobenzene	53.6%
d5-Phenol	65.9%	2-Fluorophenol	67.5%
2,4,6-Tribromophenol	73.1%	d4-2-Chlorophenol	70.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-109**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ17C
LIMS ID: 06-1024
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 19:41
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	< 5.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-109**
 SAMPLE

Lab Sample ID: IZ17C QC Report No: IZ17-Landau Associates
LIMS ID: 06-1024 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 19:41

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-05-1	Guaiacol	1.0	< 1.0 U
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	< 1.0 U
2668-24-8	4,5,6-Trichloroguaiacol	1.0	< 1.0 U
57057-83-7	3,4,5-Trichloroguaiacol	1.0	< 1.0 U
2539-17-5	Tetrachloroguaiacol	2.0	< 2.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.6%	2-Fluorobiphenyl	58.4%
d14-p-Terphenyl	54.4%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	56.0%	2-Fluorophenol	57.3%
2,4,6-Tribromophenol	68.8%	d4-2-Chlorophenol	61.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-101**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ17D
LIMS ID: 06-1025
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 20:15
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	< 5.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-101**
 SAMPLE

Lab Sample ID: IZ17D QC Report No: IZ17-Landau Associates
LIMS ID: 06-1025 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 20:15

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-05-1	Guaiacol	1.0	< 1.0 U
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	< 1.0 U
2668-24-8	4,5,6-Trichloroguaiacol	1.0	< 1.0 U
57057-83-7	3,4,5-Trichloroguaiacol	1.0	< 1.0 U
2539-17-5	Tetrachloroguaiacol	2.0	< 2.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	82.4%	2-Fluorobiphenyl	63.6%
d14-p-Terphenyl	57.2%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	67.7%	2-Fluorophenol	67.5%
2,4,6-Tribromophenol	77.9%	d4-2-Chlorophenol	70.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-105**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ17E
LIMS ID: 06-1026
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 20:49
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	< 5.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: IZ17E
LIMS ID: 06-1026
Matrix: Water
Date Analyzed: 02/02/06 20:49

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-05-1	Guaiacol	1.0	< 1.0 U
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	< 1.0 U
2668-24-8	4,5,6-Trichloroguaiacol	1.0	< 1.0 U
57057-83-7	3,4,5-Trichloroguaiacol	1.0	< 1.0 U
2539-17-5	Tetrachloroguaiacol	2.0	< 2.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.8%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	64.8%	d4-1,2-Dichlorobenzene	50.4%
d5-Phenol	64.0%	2-Fluorophenol	63.2%
2,4,6-Tribromophenol	73.9%	d4-2-Chlorophenol	67.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-106**
 SAMPLE

Lab Sample ID: IZ17F
LIMS ID: 06-1027
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 21:24
Instrument/Analyst: NT6/PK

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	< 5.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: IZ17F QC Report No: IZ17-Landau Associates
LIMS ID: 06-1027 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 21:24

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-05-1	Guaiacol	1.0	< 1.0 U
2460-49-3	4,5-Dichloro-2-Methoxyphenol	1.0	< 1.0 U
2668-24-8	4,5,6-Trichloroguaiacol	1.0	< 1.0 U
57057-83-7	3,4,5-Trichloroguaiacol	1.0	< 1.0 U
2539-17-5	Tetrachloroguaiacol	2.0	< 2.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	94.4%	2-Fluorobiphenyl	72.8%
d14-p-Terphenyl	80.0%	d4-1,2-Dichlorobenzene	60.0%
d5-Phenol	81.6%	2-Fluorophenol	80.8%
2,4,6-Tribromophenol	87.2%	d4-2-Chlorophenol	83.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MW-111
MS/MSD

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted MS/MSD: 01/27/06

Date Analyzed MS: 02/02/06 17:59
MSD: 02/02/06 18:33
Instrument/Analyst MS: NT6/PK
MSD: NT6/PK
GPC Cleanup: NO

Sample Amount MS: 500 mL
MSD: 500 mL
Final Extract Volume MS: 0.5 mL
MSD: 0.5 mL
Dilution Factor MS: 1.00
MSD: 1.00

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenol	< 1.0 U	17.8	25.0	71.2%	19.4	25.0	77.6%	8.6%
Bis-(2-Chloroethyl) Ether	< 1.0 U	19.5	25.0	78.0%	20.9	25.0	83.6%	6.9%
2-Chlorophenol	< 1.0 U	19.6	25.0	78.4%	21.2	25.0	84.8%	7.8%
1,3-Dichlorobenzene	< 1.0 U	12.4	25.0	49.6%	12.8	25.0	51.2%	3.2%
1,4-Dichlorobenzene	< 1.0 U	12.9	25.0	51.6%	13.4	25.0	53.6%	3.8%
Benzyl Alcohol	< 5.0 U	19.0	25.0	76.0%	20.8	25.0	83.2%	9.0%
1,2-Dichlorobenzene	< 1.0 U	13.5	25.0	54.0%	14.0	25.0	56.0%	3.6%
2-Methylphenol	< 1.0 U	19.7	25.0	78.8%	21.4	25.0	85.6%	8.3%
2,2'-Oxybis(1-Chloropropane)	< 1.0 U	18.7	25.0	74.8%	20.1	25.0	80.4%	7.2%
4-Methylphenol	< 1.0 U	41.3	50.0	82.6%	44.5	50.0	89.0%	7.5%
N-Nitroso-Di-N-Propylamine	< 5.0 U	20.7	25.0	82.8%	22.4	25.0	89.6%	7.9%
Hexachloroethane	< 1.0 U	11.3	25.0	45.2%	11.4	25.0	45.6%	0.9%
Nitrobenzene	< 1.0 U	24.7	25.0	98.8%	26.0	25.0	104%	5.1%
Isophorone	< 1.0 U	23.4	25.0	93.6%	25.0	25.0	100%	6.6%
2-Nitrophenol	< 5.0 U	22.9	25.0	91.6%	24.1	25.0	96.4%	5.1%
2,4-Dimethylphenol	< 1.0 U	21.7	25.0	86.8%	23.5	25.0	94.0%	8.0%
Benzoic Acid	< 10.0 U	21.4	25.0	85.6%	24.1	25.0	96.4%	11.9%
bis(2-Chloroethoxy) Methane	< 1.0 U	22.7	25.0	90.8%	24.3	25.0	97.2%	6.8%
2,4-Dichlorophenol	< 5.0 U	22.5	25.0	90.0%	24.4	25.0	97.6%	8.1%
1,2,4-Trichlorobenzene	< 1.0 U	16.0	25.0	64.0%	16.4	25.0	65.6%	2.5%
Naphthalene	< 1.0 U	19.2	25.0	76.8%	19.9	25.0	79.6%	3.6%
4-Chloroaniline	< 5.0 U	11.5	25.0	46.0%	12.8	25.0	51.2%	10.7%
Hexachlorobutadiene	< 1.0 U	13.5	25.0	54.0%	13.9	25.0	55.6%	2.9%
4-Chloro-3-methylphenol	< 5.0 U	23.8	25.0	95.2%	25.6	25.0	102%	7.3%
2-Methylnaphthalene	< 1.0 U	19.9	25.0	79.6%	20.9	25.0	83.6%	4.9%
Hexachlorocyclopentadiene	< 5.0 U	11.3	25.0	45.2%	12.1	25.0	48.4%	6.8%
2,4,6-Trichlorophenol	< 5.0 U	21.0	25.0	84.0%	22.3	25.0	89.2%	6.0%
2,4,5-Trichlorophenol	< 5.0 U	20.6	25.0	82.4%	22.0	25.0	88.0%	6.6%
2-Chloronaphthalene	< 1.0 U	20.5	25.0	82.0%	21.1	25.0	84.4%	2.9%
2-Nitroaniline	< 5.0 U	23.3	25.0	93.2%	24.7	25.0	98.8%	5.8%
Dimethylphthalate	< 1.0 U	22.3	25.0	89.2%	23.6	25.0	94.4%	5.7%
Acenaphthylene	< 1.0 U	20.7	25.0	82.8%	21.5	25.0	86.0%	3.8%
3-Nitroaniline	< 5.0 U	17.9	25.0	71.6%	19.2	25.0	76.8%	7.0%
Acenaphthene	< 1.0 U	21.9	25.0	87.6%	22.5	25.0	90.0%	2.7%
2,4-Dinitrophenol	< 10.0 U	21.6	25.0	86.4%	24.5	25.0	98.0%	12.6%
4-Nitrophenol	< 5.0 U	25.0	25.0	100%	27.0	25.0	108%	7.7%
Dibenzofuran	< 1.0 U	22.2	25.0	88.8%	22.5	25.0	90.0%	1.3%
2,6-Dinitrotoluene	< 5.0 U	22.7	25.0	90.8%	24.4	25.0	97.6%	7.2%
2,4-Dinitrotoluene	< 5.0 U	22.6	25.0	90.4%	23.9	25.0	95.6%	5.6%
Diethylphthalate	< 1.0 U	24.6	25.0	98.4%	26.0	25.0	104%	5.5%
4-Chlorophenyl-phenylether	< 1.0 U	25.3	25.0	101%	25.5	25.0	102%	0.8%
Fluorene	< 1.0 U	24.4	25.0	97.6%	24.8	25.0	99.2%	1.6%
4-Nitroaniline	< 5.0 U	21.8	25.0	87.2%	22.4	25.0	89.6%	2.7%
4,6-Dinitro-2-Methylphenol	< 10.0 U	21.3	25.0	85.2%	23.5	25.0	94.0%	9.8%
N-Nitrosodiphenylamine	< 1.0 U	19.2	25.0	76.8%	21.5	25.0	86.0%	11.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-111**
 MS/MSD

Lab Sample ID: IZ17A QC Report No: IZ17-Landau Associates
LIMS ID: 06-1022 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 17:59

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
4-Bromophenyl-phenylether	< 1.0 U	25.4	25.0	102%	25.5	25.0	102%	0.4%
Hexachlorobenzene	< 1.0 U	25.3	25.0	101%	25.6	25.0	102%	1.2%
Pentachlorophenol	< 5.0 U	22.0	25.0	88.0%	24.1	25.0	96.4%	9.1%
Phenanthrene	< 1.0 U	24.7	25.0	98.8%	25.1	25.0	100%	1.6%
Carbazole	< 1.0 U	23.6	25.0	94.4%	24.3	25.0	97.2%	2.9%
Anthracene	< 1.0 U	24.3	25.0	97.2%	24.5	25.0	98.0%	0.8%
Di-n-Butylphthalate	< 1.0 U	26.4	25.0	106%	26.8	25.0	107%	1.5%
Fluoranthene	< 1.0 U	24.7	25.0	98.8%	24.9	25.0	99.6%	0.8%
Pyrene	< 1.0 U	26.0	25.0	104%	26.5	25.0	106%	1.9%
Butylbenzylphthalate	< 1.0 U	27.8	25.0	111%	28.3	25.0	113%	1.8%
3,3'-Dichlorobenzidine	< 5.0 U	< 5.0	25.0	NA	< 5.0	25.0	NA	NA
bis(2-Ethylhexyl)phthalate	< 1.0 U	23.0	25.0	92.0%	23.2	25.0	92.8%	0.9%
Di-n-Octyl phthalate	< 1.0 U	23.6	25.0	94.4%	24.0	25.0	96.0%	1.7%
Benzo(g,h,i)perylene	< 1.0 U	28.2	25.0	113%	28.9	25.0	116%	2.5%
Guaiacol	< 1.0 U	34.3	37.5	91.5%	36.8	37.5	98.1%	7.0%
4,5-Dichloro-2-Methoxyphenol	< 1.0 U	34.9	37.5	93.1%	37.2	37.5	99.2%	6.4%
4,5,6-Trichloroguaiacol	< 1.0 U	35.5	37.5	94.7%	38.2	37.5	102%	7.3%
3,4,5-Trichloroguaiacol	< 1.0 U	36.9	37.5	98.4%	39.5	37.5	105%	6.8%
Tetrachloroguaiacol	< 2.0 U	74.7	75.0	99.6%	80.5	75.0	107%	7.5%

Results reported in µg/L
NA-No recovery due to high concentration of analyte in original sample and/or calculated negative recovery.
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCS-012706
LAB CONTROL

Lab Sample ID: LCS-012706
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 16:51
Instrument/Analyst: NT6/PK
GPC Cleanup: NO

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

Analyte	Lab Control	Spike Added	Recovery
Phenol	21.4	25.0	85.6%
Bis-(2-Chloroethyl) Ether	23.2	25.0	92.8%
2-Chlorophenol	23.5	25.0	94.0%
1,3-Dichlorobenzene	13.3	25.0	53.2%
1,4-Dichlorobenzene	14.0	25.0	56.0%
Benzyl Alcohol	23.1	25.0	92.4%
1,2-Dichlorobenzene	14.8	25.0	59.2%
2-Methylphenol	23.4	25.0	93.6%
2,2'-Oxybis(1-Chloropropane)	22.4	25.0	89.6%
4-Methylphenol	48.9	50.0	97.8%
N-Nitroso-Di-N-Propylamine	24.4	25.0	97.6%
Hexachloroethane	11.7	25.0	46.8%
Nitrobenzene	28.1	25.0	112%
Isophorone	27.8	25.0	111%
2-Nitrophenol	26.4	25.0	106%
2,4-Dimethylphenol	23.7	25.0	94.8%
Benzoic Acid	17.1	25.0	68.4%
bis(2-Chloroethoxy) Methane	27.0	25.0	108%
2,4-Dichlorophenol	26.6	25.0	106%
1,2,4-Trichlorobenzene	17.2	25.0	68.8%
Naphthalene	21.8	25.0	87.2%
4-Chloroaniline	13.2	25.0	52.8%
Hexachlorobutadiene	13.4	25.0	53.6%
4-Chloro-3-methylphenol	27.8	25.0	111%
2-Methylnaphthalene	21.8	25.0	87.2%
Hexachlorocyclopentadiene	10.3	25.0	41.2%
2,4,6-Trichlorophenol	24.4	25.0	97.6%
2,4,5-Trichlorophenol	23.6	25.0	94.4%
2-Chloronaphthalene	21.9	25.0	87.6%
2-Nitroaniline	26.3	25.0	105%
Dimethylphthalate	26.2	25.0	105%
Acenaphthylene	23.3	25.0	93.2%
3-Nitroaniline	23.9	25.0	95.6%
Acenaphthene	23.3	25.0	93.2%
2,4-Dinitrophenol	18.0	25.0	72.0%
4-Nitrophenol	29.6	25.0	118%
Dibenzofuran	23.5	25.0	94.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: LCS-012706**
 LAB CONTROL

Lab Sample ID: LCS-012706 QC Report No: IZ17-Landau Associates
LIMS ID: 06-1022 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 16:51

Analyte	Lab Control	Spike Added	Recovery
2,6-Dinitrotoluene	26.4	25.0	106%
2,4-Dinitrotoluene	26.1	25.0	104%
Diethylphthalate	29.2	25.0	117%
4-Chlorophenyl-phenylether	26.2	25.0	105%
Fluorene	25.8	25.0	103%
4-Nitroaniline	27.0	25.0	108%
4,6-Dinitro-2-Methylphenol	25.1	25.0	100%
N-Nitrosodiphenylamine	26.3	25.0	105%
4-Bromophenyl-phenylether	26.4	25.0	106%
Hexachlorobenzene	26.2	25.0	105%
Pentachlorophenol	26.0	25.0	104%
Phenanthrene	25.7	25.3	102%
Carbazole	26.2	25.0	105%
Anthracene	25.6	25.0	102%
Di-n-Butylphthalate	27.9	25.0	112%
Fluoranthene	25.6	25.0	102%
Pyrene	26.7	25.0	107%
Butylbenzylphthalate	28.5	25.0	114%
3,3'-Dichlorobenzidine	20.2	25.0	80.8%
bis(2-Ethylhexyl)phthalate	25.4	25.0	102%
Di-n-Octyl phthalate	25.7	25.0	103%
Benzo(g,h,i)perylene	29.5	25.0	118%
Guaiacol	40.1	37.5	107%
4,5-Dichloro-2-Methoxyphenol	40.6	37.5	108%
4,5,6-Trichloroguaiacol	43.2	37.5	115%
3,4,5-Trichloroguaiacol	44.7	37.5	119%
Tetrachloroguaiacol	90.7	75.0	121%

Semivolatile Surrogate Recovery	
d5-Nitrobenzene	99.2%
2-Fluorobiphenyl	78.0%
d14-p-Terphenyl	91.6%
d4-1,2-Dichlorobenzene	65.6%
d5-Phenol	78.4%
2-Fluorophenol	79.7%
2,4,6-Tribromophenol	92.5%
d4-2-Chlorophenol	84.0%

Results reported in µg/L

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
MB-012706	88.8%	73.6%	86.8%	58.8%	73.1%	74.4%	82.4%	78.4%	0
LCS-012706	99.2%	78.0%	91.6%	65.6%	78.4%	79.7%	92.5%	84.0%	0
MW-111	78.8%	64.0%	61.2%	50.8%	63.2%	63.2%	74.7%	67.5%	0
MW-111 MS	86.0%	69.6%	60.4%	57.6%	64.5%	66.1%	77.6%	70.4%	0
MW-111 MSD	86.8%	69.2%	65.6%	56.8%	66.4%	67.2%	78.1%	72.5%	0
MW-103	80.8%	63.6%	58.8%	53.6%	65.9%	67.5%	73.1%	70.7%	0
MW-109	73.6%	58.4%	54.4%	47.6%	56.0%	57.3%	68.8%	61.9%	0
MW-101	82.4%	63.6%	57.2%	50.0%	67.7%	67.5%	77.9%	70.9%	0
MW-105	78.8%	63.2%	64.8%	50.4%	64.0%	63.2%	73.9%	67.7%	0
MW-106	94.4%	72.8%	80.0%	60.0%	81.6%	80.8%	87.2%	83.5%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(44-107)	(38-111)
(FBP) = 2-Fluorobiphenyl	(43-99)	(30-109)
(TPH) = d14-p-Terphenyl	(44-123)	(37-113)
(DCB) = d4-1,2-Dichlorobenzene	(36-88)	(35-88)
(PHL) = d5-Phenol	(47-101)	(42-98)
(2FP) = 2-Fluorophenol	(44-102)	(40-99)
(TBP) = 2,4,6-Tribromophenol	(38-116)	(27-136)
(2CP) = d4-2-Chlorophenol	(50-102)	(47-101)

Prep Method: SW3520C
Log Number Range: 06-1022 to 06-1027

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: MB-012806
METHOD BLANK

Lab Sample ID: MB-012806
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: NA
Date Received: NA

Date Extracted: 01/28/06
Date Analyzed: 02/01/06 15:37
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	< 0.010 U
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	< 0.010 U
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	63.0%
d14-Dibenzo(a,h)anthracen	78.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS
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Sample ID: MW-111
SAMPLE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/01/06 16:24
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	< 0.010 U
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	< 0.010 U
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	58.7%
d14-Dibenzo(a,h)anthracen	66.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: MW-111
MATRIX SPIKE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/01/06 16:47
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	---
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	---
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	61.3%
d14-Dibenzo(a,h)anthracen	85.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS

Sample ID: MW-111
MATRIX SPIKE DUPLICATE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/01/06 17:10
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	---
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	---
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.0%
d14-Dibenzo(a,h)anthracen	79.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS **Sample ID: MW-103**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ17B
LIMS ID: 06-1023
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 10:44
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	< 0.010 U
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	< 0.010 U
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	60.3%
d14-Dibenzo(a,h)anthracen	76.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS
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Sample ID: MW-109
SAMPLE

Lab Sample ID: IZ17C
LIMS ID: 06-1024
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 11:08
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	< 0.010 U
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	< 0.010 U
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	52.0%
d14-Dibenzo(a,h)anthracen	55.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS

Sample ID: MW-101
SAMPLE

Lab Sample ID: IZ17D
LIMS ID: 06-1025
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 11:31
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	< 0.010 U
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	< 0.010 U
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	62.3%
d14-Dibenzo(a,h)anthracen	61.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS

Sample ID: MW-101
DILUTION

Lab Sample ID: IZ17D
LIMS ID: 06-1025
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 16:12
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 3.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.030	< 0.030 U
218-01-9	Chrysene	0.030	< 0.030 U
205-99-2	Benzo(b)fluoranthene	0.030	< 0.030 U
207-08-9	Benzo(k)fluoranthene	0.030	< 0.030 U
50-32-8	Benzo(a)pyrene	0.030	< 0.030 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.030	< 0.030 U
53-70-3	Dibenz(a,h)anthracene	0.030	< 0.030 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	55.9%
d14-Dibenzo(a,h)anthracen	58.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS

Sample ID: MW-105
SAMPLE

Lab Sample ID: IZ17E
LIMS ID: 06-1026
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 11:54
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	< 0.010 U
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	< 0.010 U
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	54.7%
d14-Dibenzo(a,h)anthracen	68.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS

Sample ID: MW-106
SAMPLE

Lab Sample ID: IZ17F
LIMS ID: 06-1027
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 12:18
Instrument/Analyst: NT2/VTS

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	0.010	< 0.010 U
218-01-9	Chrysene	0.010	< 0.010 U
205-99-2	Benzo(b)fluoranthene	0.010	< 0.010 U
207-08-9	Benzo(k)fluoranthene	0.010	< 0.010 U
50-32-8	Benzo(a)pyrene	0.010	< 0.010 U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	< 0.010 U
53-70-3	Dibenz(a,h)anthracene	0.010	< 0.010 U

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	56.3%
d14-Dibenzo(a,h)anthracen	73.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: MW-111
MATRIX SPIKE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized: *DB*
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted MS/MSD: 01/28/06

Date Analyzed MS: 02/01/06 16:47
MSD: 02/01/06 17:10
Instrument/Analyst MS: NT2/VTS
MSD: NT2/VTS

Sample Amount MS: 500 mL
MSD: 500 mL
Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL
Dilution Factor MS: 1.00
MSD: 1.00

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Chrysene	< 0.01 U	0.20	0.30	66.7%	0.22	0.30	73.3%	9.5%
Benzo(k)fluoranthene	< 0.01 U	0.15	0.30	50.0%	0.18	0.30	60.0%	18.2%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: LCS-012806
LAB CONTROL SAMPLE

Lab Sample ID: LCS-012806
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: NA
Date Received: NA

Date Extracted LCS/LCSD: 01/28/06
Date Analyzed LCS: 02/01/06 16:00
Instrument/Analyst LCS: NT2/VTS

Sample Amount LCS: 500 mL
Final Extract Volume LCS: 0.50 mL
Dilution Factor LCS: 1.00

Analyte	LCS	Spike Added	Recovery
Chrysene	0.20	0.30	66.7%
Benzo(k)fluoranthene	0.15	0.30	50.0%

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	57.0%
d14-Dibenzo(a,h)anthracen	82.3%

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009

Client ID	MNP	DBA	TOT OUT
MB-012806	63.0%	78.7%	0
LCS-012806	57.0%	82.3%	0
MW-111	58.7%	66.0%	0
MW-111 MS	61.3%	85.7%	0
MW-111 MSD	64.0%	79.3%	0
MW-103	60.3%	76.3%	0
MW-109	52.0%	55.7%	0
MW-101	62.3%	61.0%	0
MW-101 DL	55.9%	58.3%	0
MW-105	54.7%	68.7%	0
MW-106	56.3%	73.7%	0

	LCS/MB LIMITS	QC LIMITS
(MNP) = d10-2-Methylnaphthalene	(38-109)	(29-112)
(DBA) = d14-Dibenzo(a,h)anthracene	(28-131)	(10-133)

Prep Method: SW3520C
Log Number Range: 06-1022 to 06-1027

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MB-012806
METHOD BLANK

Lab Sample ID: MB-012806
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 17:47
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery	
Decachlorobiphenyl	75.5%
Tetrachlorometaxylene	71.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MW-111
SAMPLE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 18:24
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	70.2%
Tetrachlorometaxylene	61.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MW-111
MATRIX SPIKE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 18:42
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	---
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	---
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	72.2%
Tetrachlorometaxylene	64.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MW-111
MATRIX SPIKE DUP

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 19:01
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	---
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	---
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	57.5%
Tetrachlorometaxylene	49.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MW-103
SAMPLE

Lab Sample ID: IZ17B
LIMS ID: 06-1023
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 19:19
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery	
Decachlorobiphenyl	66.2%
Tetrachlorometaxylene	62.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MW-109
SAMPLE

Lab Sample ID: IZ17C
LIMS ID: 06-1024
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 19:38
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	57.5%
Tetrachlorometaxylene	49.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: MW-101
SAMPLE

Lab Sample ID: IZ17D
LIMS ID: 06-1025
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 19:56
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	81.8%
Tetrachlorometaxylene	62.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MW-105
SAMPLE

Lab Sample ID: IZ17E
LIMS ID: 06-1026
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 20:15
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	75.8%
Tetrachlorometaxylene	59.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MW-106
SAMPLE

Lab Sample ID: IZ17F
LIMS ID: 06-1027
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 20:33
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	66.5%
Tetrachlorometaxylene	61.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MW-111
MS/MSD

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted MS/MSD: 01/28/06

Date Analyzed MS: 01/31/06 18:42
MSD: 01/31/06 19:01
Instrument/Analyst MS: ECD5/AAR
MSD: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount MS: 1000 mL
MSD: 1000 mL
Final Extract Volume MS: 0.5 mL
MSD: 0.5 mL
Dilution Factor MS: 1.00
MSD: 1.00
Silica Gel: No
Acid Cleanup: Yes

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Aroclor 1016	< 0.010	0.187	0.256	73.0%	0.152	0.256	59.4%	20.6%
Aroclor 1260	< 0.010	0.202	0.256	78.9%	0.165	0.256	64.5%	20.2%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: LCS-012806
LAB CONTROL

Lab Sample ID: LCS-012806
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 18:05
Instrument/Analyst: ECD5/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

Analyte	Lab Control	Spike Added	Recovery
Aroclor 1016	0.203	0.256	79.3%
Aroclor 1260	0.226	0.256	88.3%

PCB Surrogate Recovery

Decachlorobiphenyl	84.2%
Tetrachlorometaxylene	74.5%

Results reported in µg/L

ANALYTICAL RESOURCES INCORPORATED

SW8082/PCB WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009

Client ID	DCBP	TCMX	TOT OUT
MB-012806	75.5%	71.2%	0
LCS-012806	84.2%	74.5%	0
MW-111	70.2%	61.8%	0
MW-111 MS	72.2%	64.5%	0
MW-111 MSD	57.5%	49.5%	0
MW-103	66.2%	62.8%	0
MW-109	57.5%	49.0%	0
MW-101	81.8%	62.8%	0
MW-105	75.8%	59.8%	0
MW-106	66.5%	61.8%	0

	LCS/MB LIMITS	QC LIMITS
(DCBP) = Decachlorobiphenyl	(42-138)	(25-134)
(TCMX) = Tetrachlorometaxylene	(32-117)	(25-118)

Prep Method: SW3510C
Log Number Range: 06-1022 to 06-1027

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Pesticides by GC/ECD Method SW8081A **Sample ID: MB-012606**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-012606 QC Report No: IZ17-Landau Associates
LIMS ID: 06-1026 Project: Port of Anacortes
Matrix: Water 529009
Data Release Authorized: Date Sampled: NA
Reported: 01/31/06 Date Received: NA

Date Extracted: 01/26/06 Sample Amount: 500 mL
Date Analyzed: 01/30/06 15:44 Final Extract Volume: 5.0 mL
Instrument/Analyst: ECD3/YZ Dilution Factor: 1.00
GPC Cleanup: No pH: NA
Sulfur Cleanup: Yes Florisil Cleanup: No
Silica Gel: Yes

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.050	< 0.050 U
319-85-7	beta-BHC	0.050	< 0.050 U
319-86-8	delta-BHC	0.050	< 0.050 U
58-89-9	gamma-BHC (Lindane)	0.050	< 0.050 U
76-44-8	Heptachlor	0.050	< 0.050 U
309-00-2	Aldrin	0.050	< 0.050 U
1024-57-3	Heptachlor Epoxide	0.050	< 0.050 U
959-98-8	Endosulfan I	0.050	< 0.050 U
60-57-1	Dieldrin	0.10	< 0.10 U
72-55-9	4,4'-DDE	0.10	< 0.10 U
72-20-8	Endrin	0.10	< 0.10 U
33213-65-9	Endosulfan II	0.10	< 0.10 U
72-54-8	4,4'-DDD	0.10	< 0.10 U
1031-07-8	Endosulfan Sulfate	0.10	< 0.10 U
50-29-3	4,4'-DDT	0.10	< 0.10 U
72-43-5	Methoxychlor	0.50	< 0.50 U
53494-70-5	Endrin Ketone	0.10	< 0.10 U
7421-93-4	Endrin Aldehyde	0.10	< 0.10 U
5103-74-2	gamma Chlordane	0.050	< 0.050 U
5103-71-9	alpha Chlordane	0.050	< 0.050 U
8001-35-2	Toxaphene	5.0	< 5.0 U

Reported in µg/L (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	93.0%
Tetrachlorometaxylene	94.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Pesticides by GC/ECD Method SW8081A **Sample ID: MW-105**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ17E
LIMS ID: 06-1026
Matrix: Water
Data Release Authorized:
Reported: 01/31/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/26/06
Date Analyzed: 01/30/06 17:53
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 500 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
pH: 6.6
Florisil Cleanup: No
Silica Gel: Yes

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.050	< 0.050 U
319-85-7	beta-BHC	0.050	< 0.050 U
319-86-8	delta-BHC	0.050	< 0.050 U
58-89-9	gamma-BHC (Lindane)	0.050	< 0.050 U
76-44-8	Heptachlor	0.050	< 0.050 U
309-00-2	Aldrin	0.050	< 0.050 U
1024-57-3	Heptachlor Epoxide	0.050	< 0.050 U
959-98-8	Endosulfan I	0.050	< 0.050 U
60-57-1	Dieldrin	0.10	< 0.10 U
72-55-9	4,4'-DDE	0.10	< 0.10 U
72-20-8	Endrin	0.10	< 0.10 U
33213-65-9	Endosulfan II	0.10	< 0.10 U
72-54-8	4,4'-DDD	0.10	< 0.10 U
1031-07-8	Endosulfan Sulfate	0.10	< 0.10 U
50-29-3	4,4'-DDT	0.10	< 0.10 U
72-43-5	Methoxychlor	0.50	< 0.50 U
53494-70-5	Endrin Ketone	0.10	< 0.10 U
7421-93-4	Endrin Aldehyde	0.10	< 0.10 U
5103-74-2	gamma Chlordane	0.050	< 0.050 U
5103-71-9	alpha Chlordane	0.050	< 0.050 U
8001-35-2	Toxaphene	5.0	< 5.0 U

Reported in µg/L (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	98.5%
Tetrachlorometaxylene	94.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Pesticides by GC/ECD Method SW8081A **Sample ID: MW-106**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ17F
LIMS ID: 06-1027
Matrix: Water
Data Release Authorized:
Reported: 01/31/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted: 01/26/06
Date Analyzed: 01/30/06 18:25
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 500 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
pH: 6.6
Florisil Cleanup: No
Silica Gel: Yes

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.050	< 0.050 U
319-85-7	beta-BHC	0.050	< 0.050 U
319-86-8	delta-BHC	0.050	< 0.050 U
58-89-9	gamma-BHC (Lindane)	0.050	< 0.050 U
76-44-8	Heptachlor	0.050	< 0.050 U
309-00-2	Aldrin	0.050	< 0.050 U
1024-57-3	Heptachlor Epoxide	0.050	< 0.050 U
959-98-8	Endosulfan I	0.050	< 0.050 U
60-57-1	Dieldrin	0.10	< 0.10 U
72-55-9	4,4'-DDE	0.10	< 0.10 U
72-20-8	Endrin	0.10	< 0.10 U
33213-65-9	Endosulfan II	0.10	< 0.10 U
72-54-8	4,4'-DDD	0.10	< 0.10 U
1031-07-8	Endosulfan Sulfate	0.10	< 0.10 U
50-29-3	4,4'-DDT	0.10	< 0.10 U
72-43-5	Methoxychlor	0.50	< 0.50 U
53494-70-5	Endrin Ketone	0.10	< 0.10 U
7421-93-4	Endrin Aldehyde	0.10	< 0.10 U
5103-74-2	gamma Chlordane	0.050	< 0.050 U
5103-71-9	alpha Chlordane	0.050	< 0.050 U
8001-35-2	Toxaphene	5.0	< 5.0 U

Reported in µg/L (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	94.5%
Tetrachlorometaxylene	98.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Pesticides/PCB by GC/ECD Method SW8081A **Sample ID: LCS-012606**
Page 1 of 1 **LCS/LCSD**

Lab Sample ID: LCS-012606 QC Report No: IZ17-Landau Associates
LIMS ID: 06-1026 Project: Port of Anacortes
Matrix: Water 529009
Data Release Authorized: Date Sampled: 01/23/06
Reported: 01/31/06 Date Received: 01/24/06

Date Extracted LCS/LCSD: 01/26/06 Sample Amount LCS: 500 mL
LCSD: 500 mL
Date Analyzed LCS: 01/30/06 16:16 Final Extract Volume LCS: 5.0 mL
LCSD: 01/30/06 16:48 LCSD: 5.0 mL
Instrument/Analyst LCS: ECD3/YZ Dilution Factor LCS: 1.00
LCSD: ECD3/YZ LCSD: 1.00
GPC Cleanup: No Sulfur Cleanup: Yes
Florisil Cleanup: No Silica Gel: Yes

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
alpha-BHC	0.166	0.200	83.0%	0.201	0.200	100%	19.1%
beta-BHC	0.172	0.200	86.0%	0.211	0.200	106%	20.4%
delta-BHC	0.159	0.200	79.5%	0.198	0.200	99.0%	21.8%
gamma-BHC (Lindane)	0.183	0.200	91.5%	0.209	0.200	104%	13.3%
Heptachlor	0.218	0.200	109%	0.196	0.200	98.0%	10.6%
Aldrin	0.169	0.200	84.5%	0.194	0.200	97.0%	13.8%
Heptachlor Epoxide	0.208	0.200	104%	0.223	0.200	112%	7.0%
Endosulfan I	0.205	0.200	102%	0.221	0.200	110%	7.5%
Dieldrin	0.411	0.400	103%	0.447	0.400	112%	8.4%
4,4'-DDE	0.438	0.400	110%	0.470	0.400	118%	7.0%
Endrin	0.391	0.400	97.8%	0.411	0.400	103%	5.0%
Endosulfan II	0.384	0.400	96.0%	0.408	0.400	102%	6.1%
4,4'-DDD	0.392	0.400	98.0%	0.423	0.400	106%	7.6%
Endosulfan Sulfate	0.381	0.400	95.2%	0.389	0.400	97.2%	2.1%
4,4'-DDT	0.368	0.400	92.0%	0.386	0.400	96.5%	4.8%
Methoxychlor	1.93	2.00	96.5%	1.94	2.00	97.0%	0.5%
Endrin Ketone	0.383	0.400	95.8%	0.405	0.400	101%	5.6%
Endrin Aldehyde	0.339	0.400	84.8%	0.333	0.400	83.2%	1.8%
gamma Chlordane	0.205	0.200	102%	0.222	0.200	111%	8.0%
alpha Chlordane	0.202	0.200	101%	0.218	0.200	109%	7.6%

Pest/PCB Surrogate Recovery

	LCS	LCSD
Decachlorobiphenyl	99.8%	95.2%
Tetrachlorometaxylene	95.8%	95.5%

Results reported in µg/L (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

SW8081/PESTICIDE WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009

Client ID	DCBP	TCMX	TOT OUT
MB-012606	93.0%	94.8%*	1
LCS-012606	99.8%	95.8%*	1
LCSD-012606	95.2%	95.5%*	1
MW-105	98.5%	94.2%	0
MW-106	94.5%	98.5%	0

	LCS/MB LIMITS	QC LIMITS
(DCBP) = Decachlorobiphenyl	(45-121)	(10-133)
(TCMX) = Tetrachlorometaxylene	(29-93)	(17-110)

Prep Method: SW3510C
Log Number Range: 06-1026 to 06-1027

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Water

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009

Data Release Authorized: MW
Reported: 01/31/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result mg/L
MB-012706	Method Blank	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1022	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	98.2%
IZ17A	MW-111	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1022	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	92.2%
IZ17B	MW-103	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1023	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	87.8%
IZ17C	MW-109	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1024	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	98.4%
IZ17D	MW-101	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1025	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	88.7%
IZ17E	MW-105	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1026	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	94.0%
IZ17F	MW-106	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1027	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	96.0%

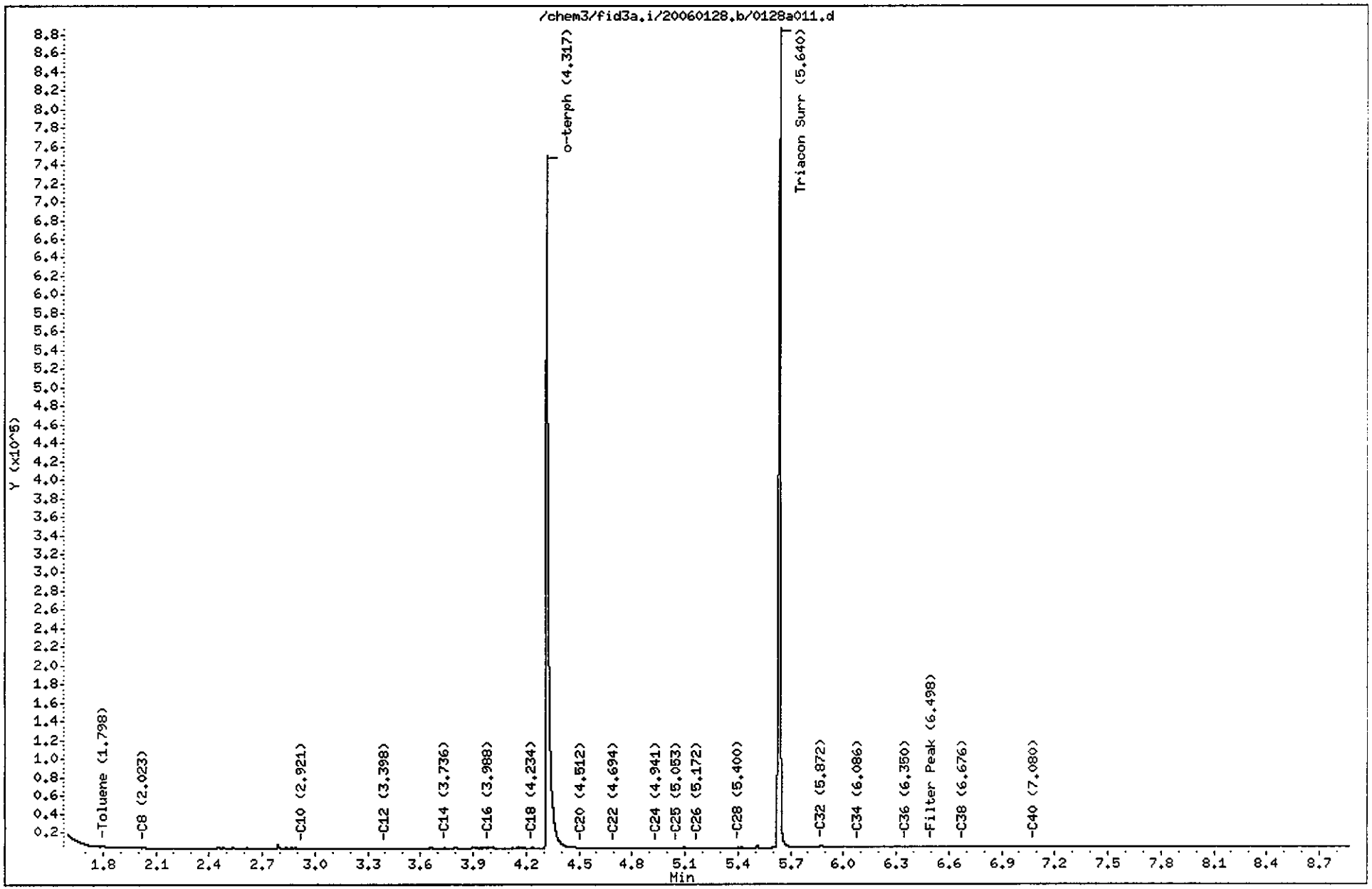
Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

Data File: /chem3/fid3a.i/20060128.b/0128a011.d
Date : 28-JAN-2006 14:30
Client ID:
Sample Info: IZ17MBW1

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

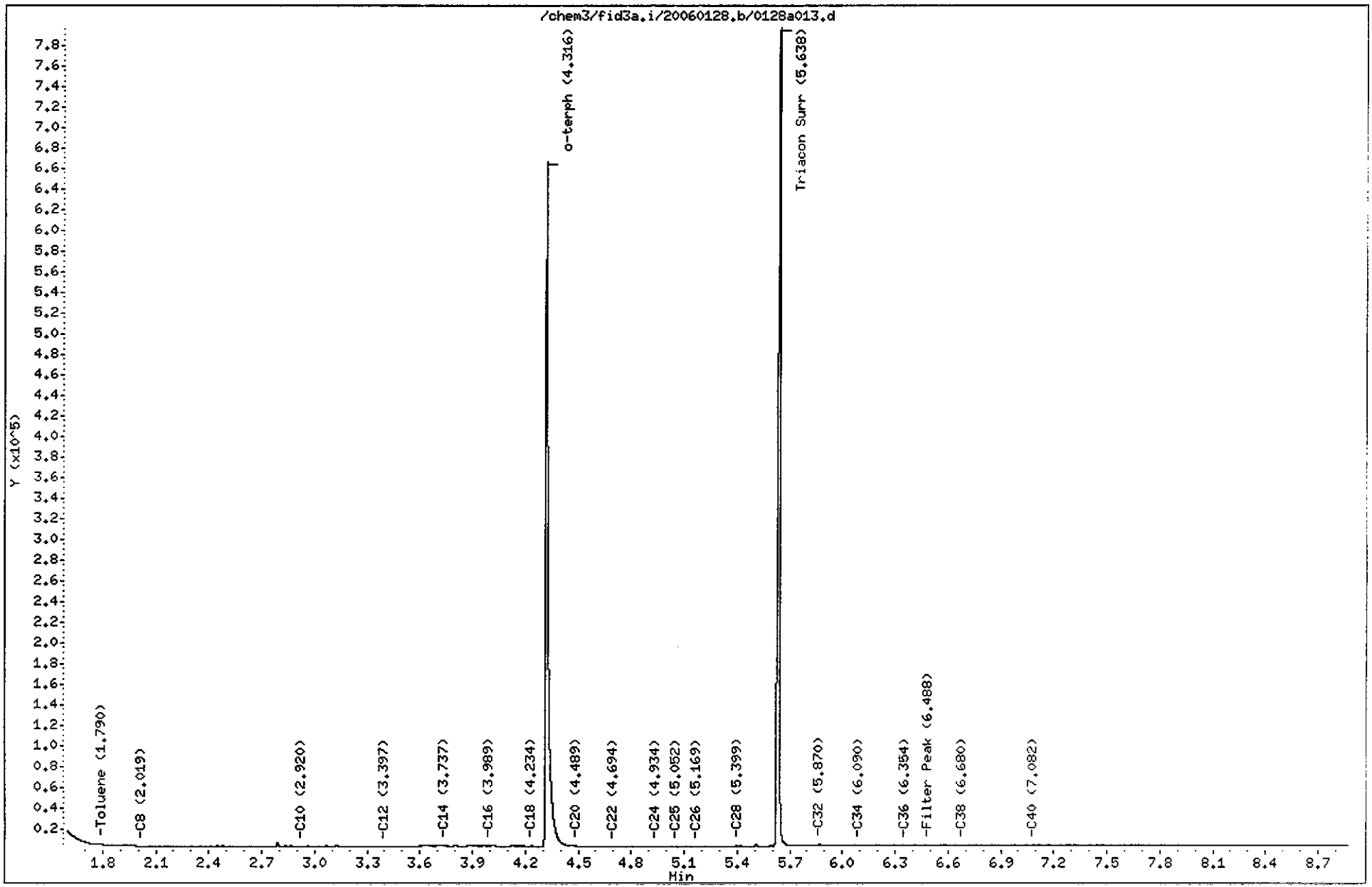
Column phase: RTX-1



Data File: /chem3/fid3a.i/20060128.b/0128a013.d
Date : 28-JAN-2006 15:01
Client ID:
Sample Info: IZ17A

Instrument: fid3a.i

Operator: PC
Column phase: RTX-1
Column diameter: 0.25

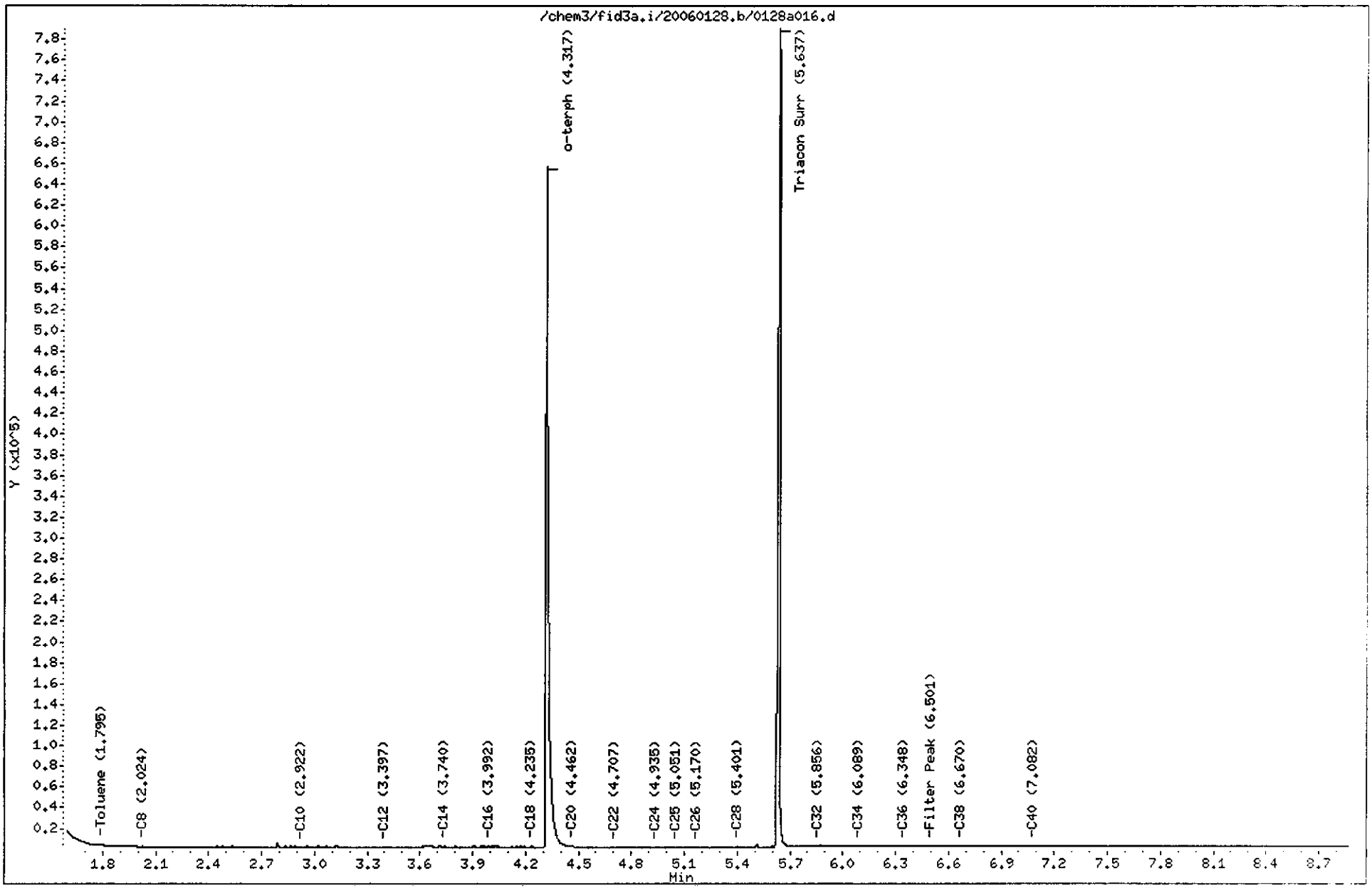


Data File: /chem3/fid3a.i/20060128.b/0128a016.d
Date : 28-JAN-2006 15:46
Client ID:
Sample Info: IZ17B

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

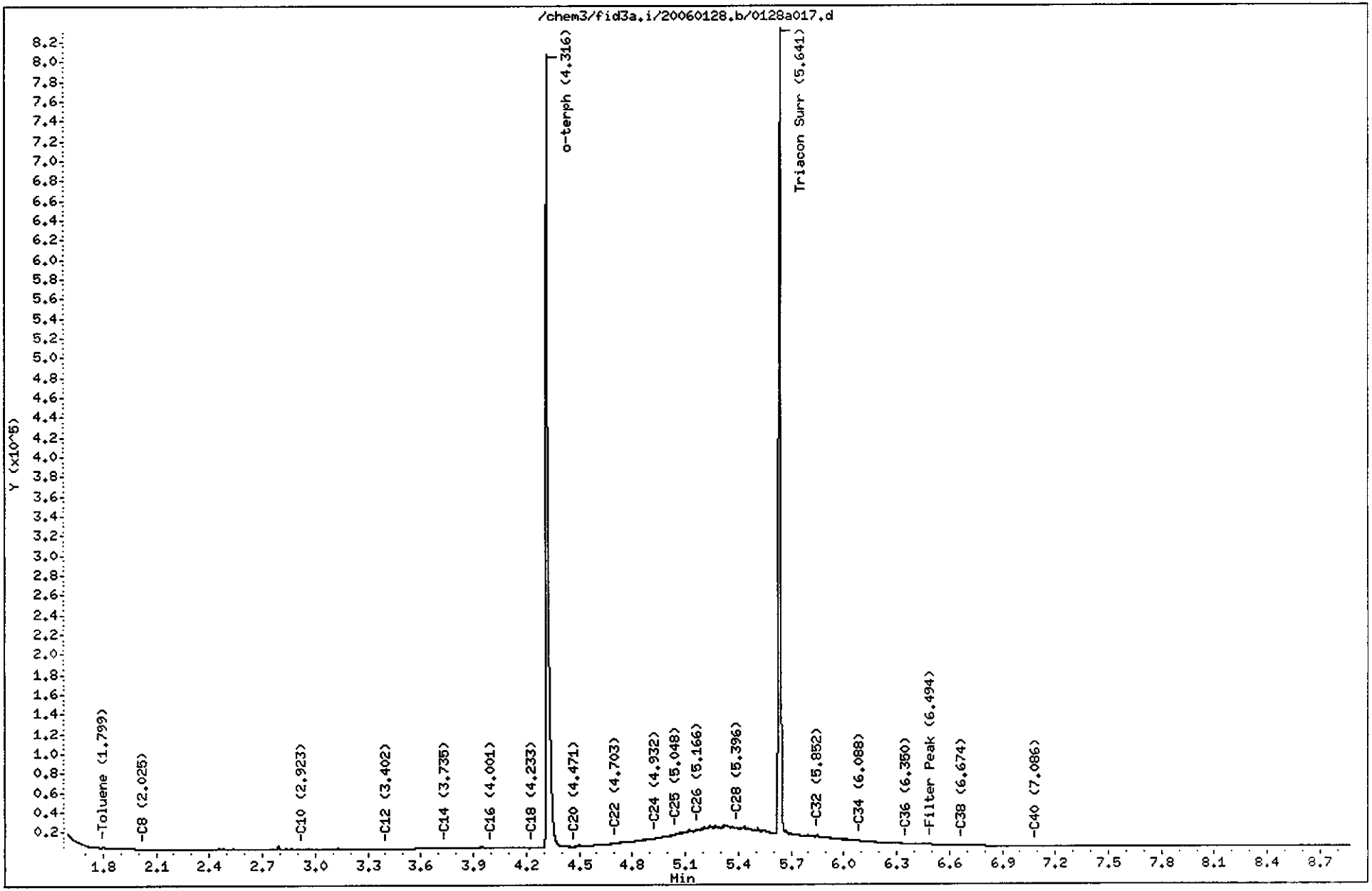


Data File: /chem3/fid3a.i/20060128.b/0128a017.d
Date : 28-JAN-2006 16:01
Client ID:
Sample Info: IZ17C

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

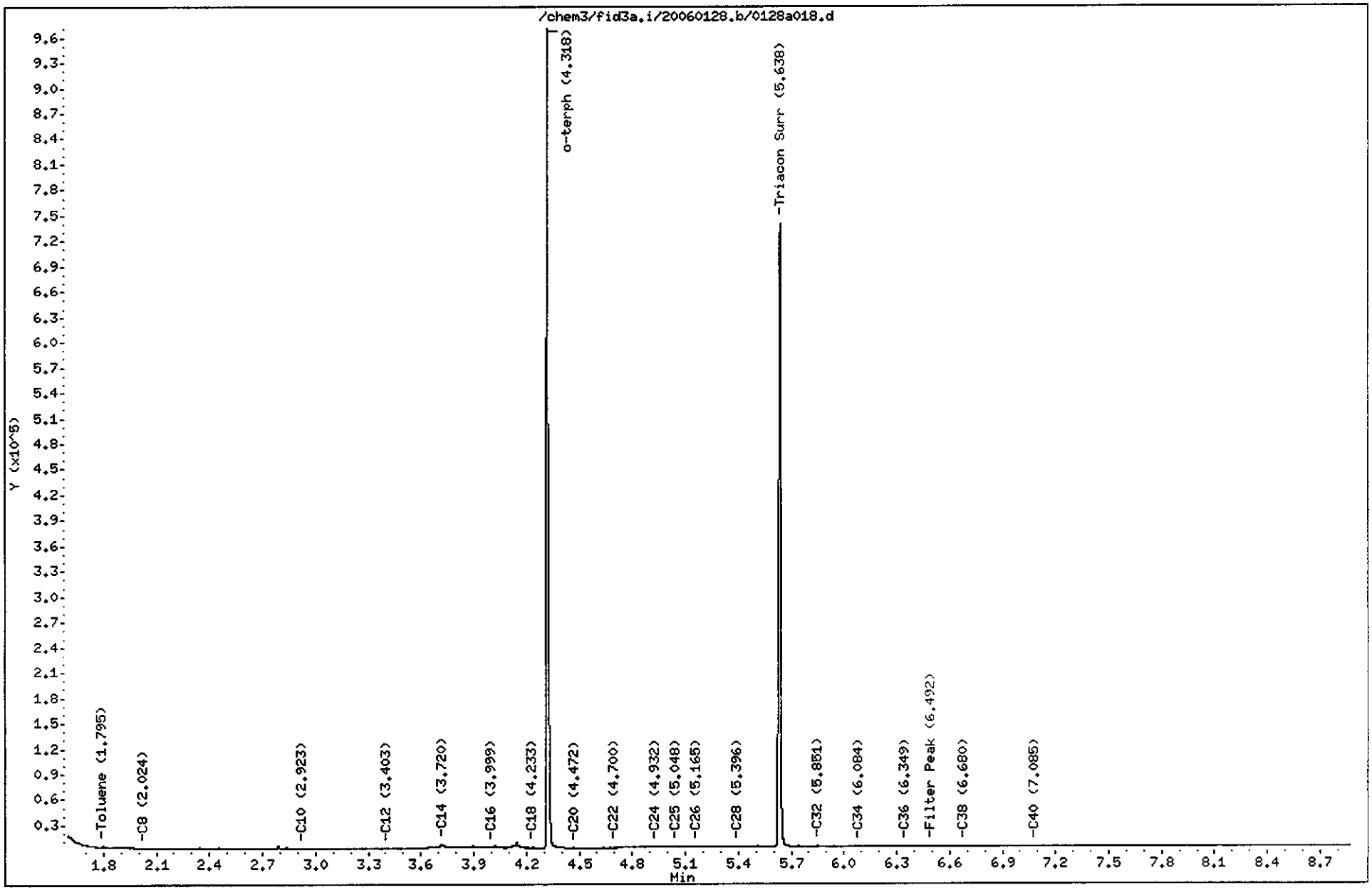


Data File: /chem3/fid3a.i/20060128.b/0128a018.d
Date : 28-JAN-2006 16:17
Client ID:
Sample Info: IZ17D

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

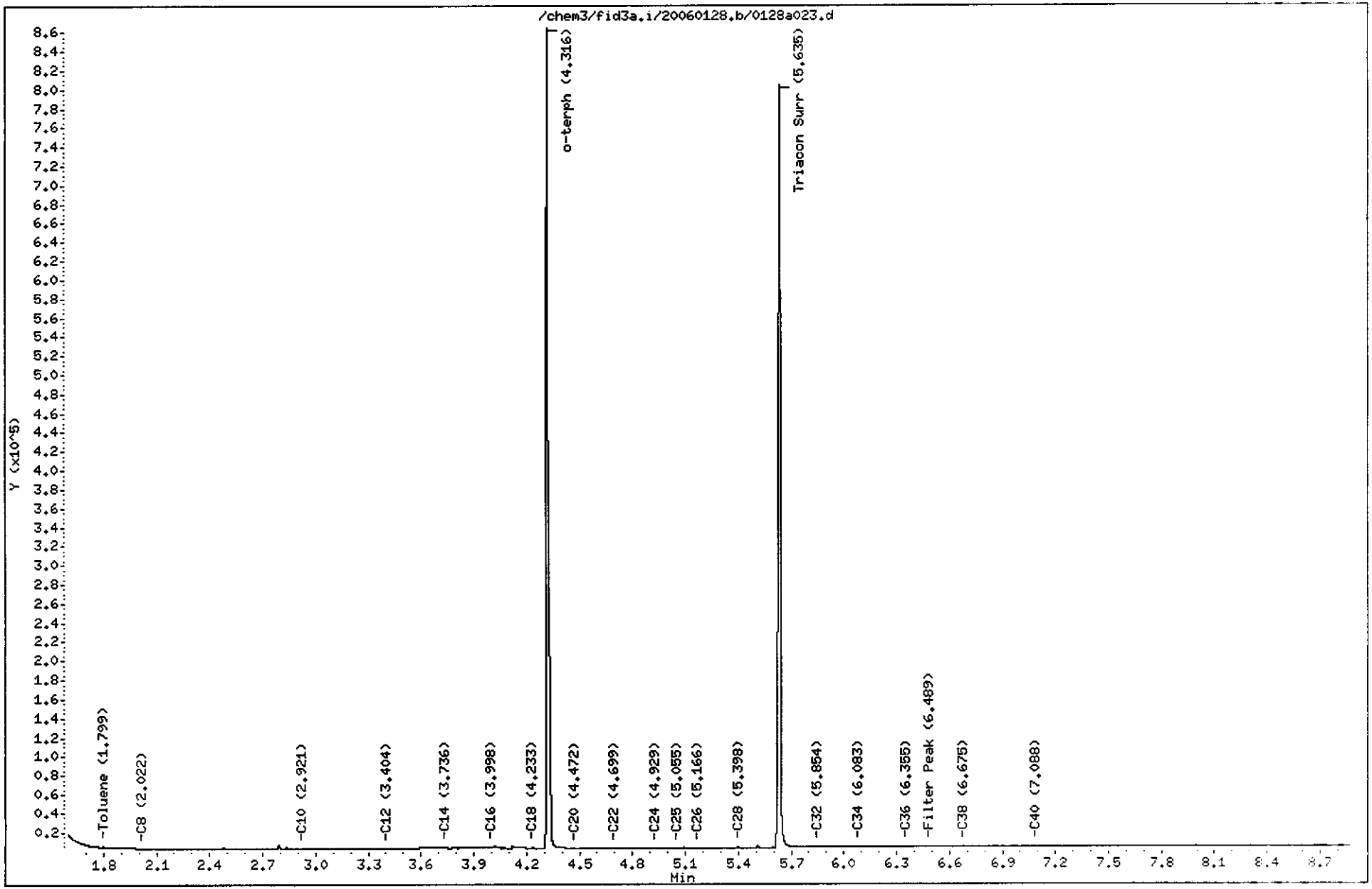


Data File: /chem3/fid3a.i/20060128.b/0128a023.d
Date : 28-JAN-2006 17:32
Client ID:
Sample Info: IZ17E

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

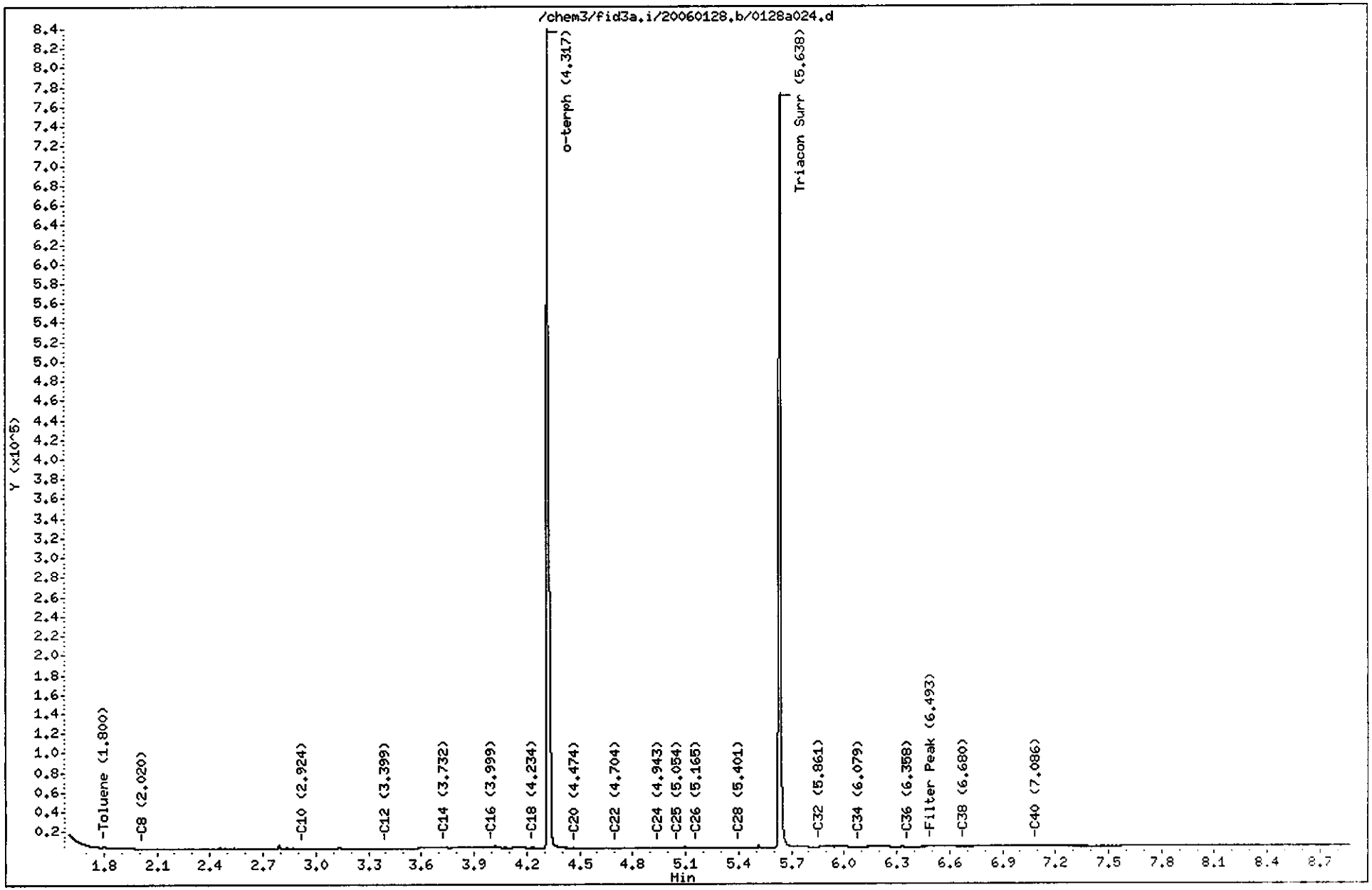


Data File: /chem3/fid3a.i/20060128.b/0128a024.d
Date : 28-JAN-2006 17:47
Client ID:
Sample Info: IZ17F

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: MW-111**
Page 1 of 1 **MS/MSD**

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 01/31/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Date Extracted MS/MSD: 01/27/06

Date Analyzed MS: 01/28/06 15:16
MSD: 01/28/06 15:31
Instrument/Analyst MS: FID/JGR
MSD: FID/JGR

Sample Amount MS: 500 mL
MSD: 500 mL
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00

Range	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Diesel	< 0.25	2.68	3.00	89.3%	2.69	3.00	89.7%	0.4%

TPHD Surrogate Recovery

	MS	MSD
o-Terphenyl	93.1%	91.6%

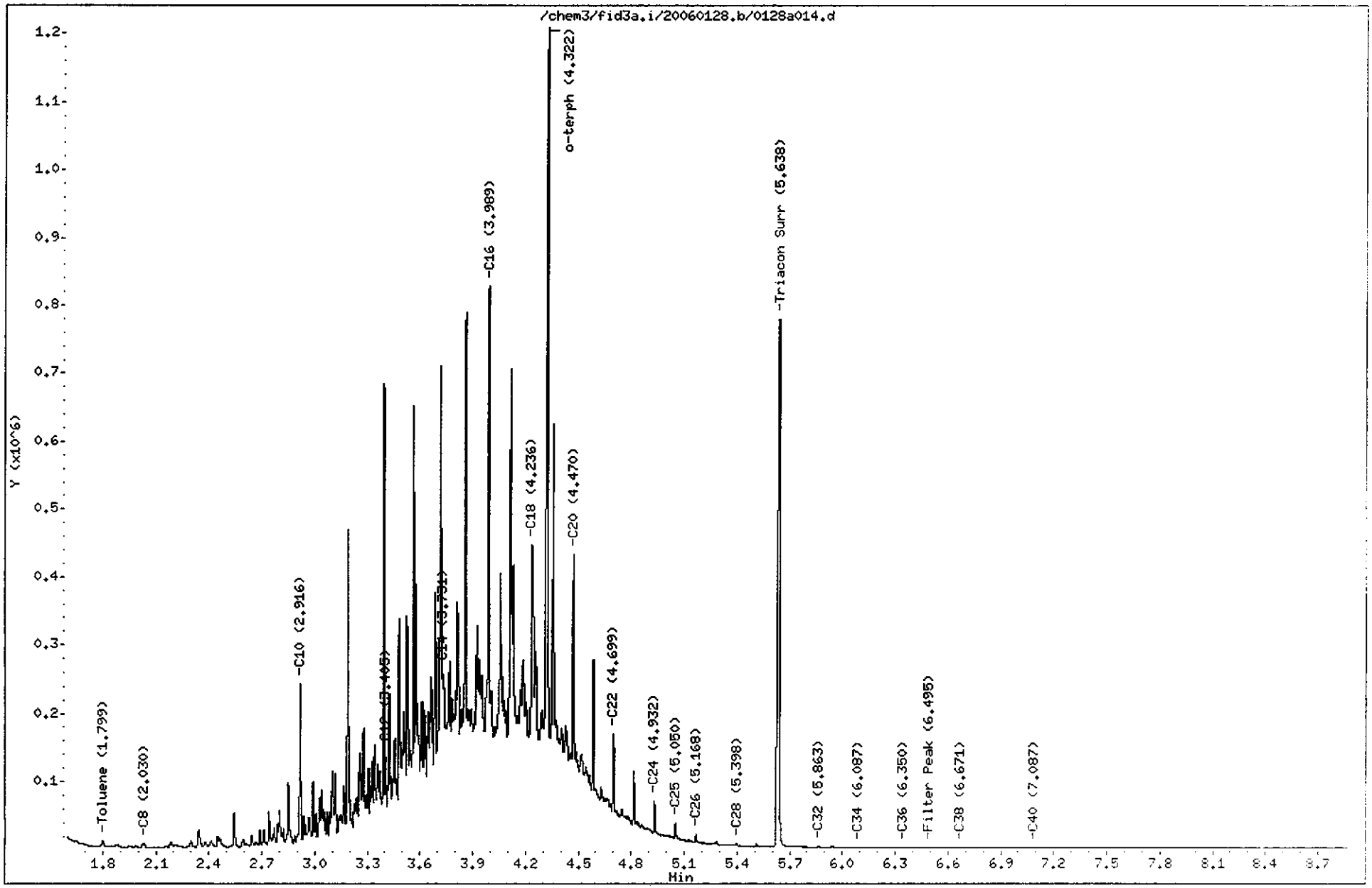
Results reported in mg/L
RPD calculated using sample concentrations per SW846.

Data File: /chem3/fid3a.i/20060128.b/0128a014.d
Date : 28-JAN-2006 15:16
Client ID:
Sample Info: IZ17AMS

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

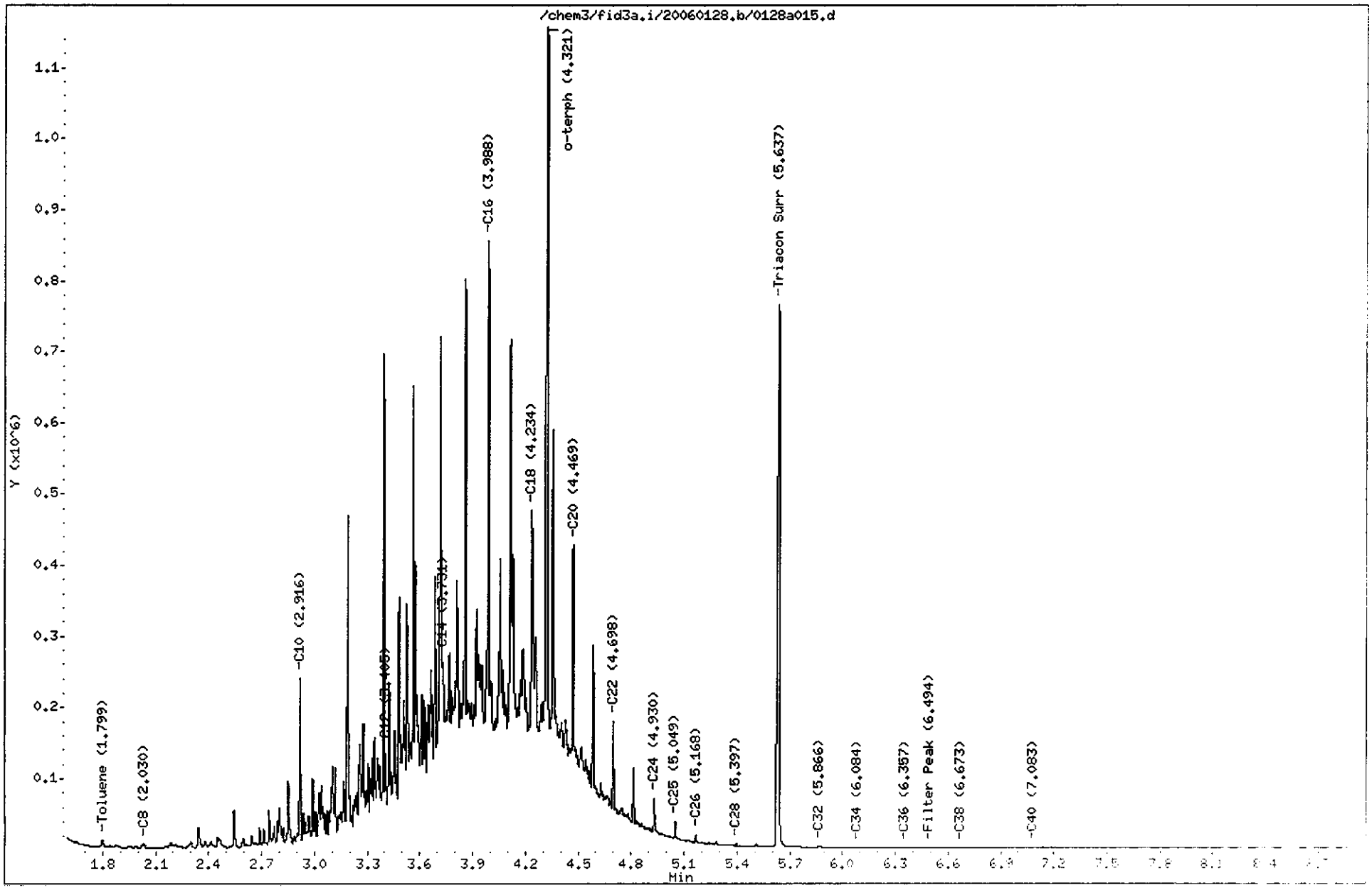


Data File: /chem3/fid3a.i/20060128.b/0128a015.d
Date : 28-JAN-2006 15:31
Client ID:
Sample Info: IZ17AHSD

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: LCS-012706**
Page 1 of 1 **LAB CONTROL**

Lab Sample ID: LCS-012706 QC Report No: IZ17-Landau Associates
LIMS ID: 06-1022 Project: Port of Anacortes
Matrix: Water 529009
Data Release Authorized: Date Sampled: 01/23/06
Reported: 01/31/06 Date Received: 01/24/06

Date Extracted: 01/27/06 Sample Amount: 500 mL
Date Analyzed: 01/28/06 14:46 Final Extract Volume: 1.0 mL
Instrument/Analyst: FID/JGR Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	2.85	3.00	95.0%

TPHD Surrogate Recovery

o-Terphenyl	101%

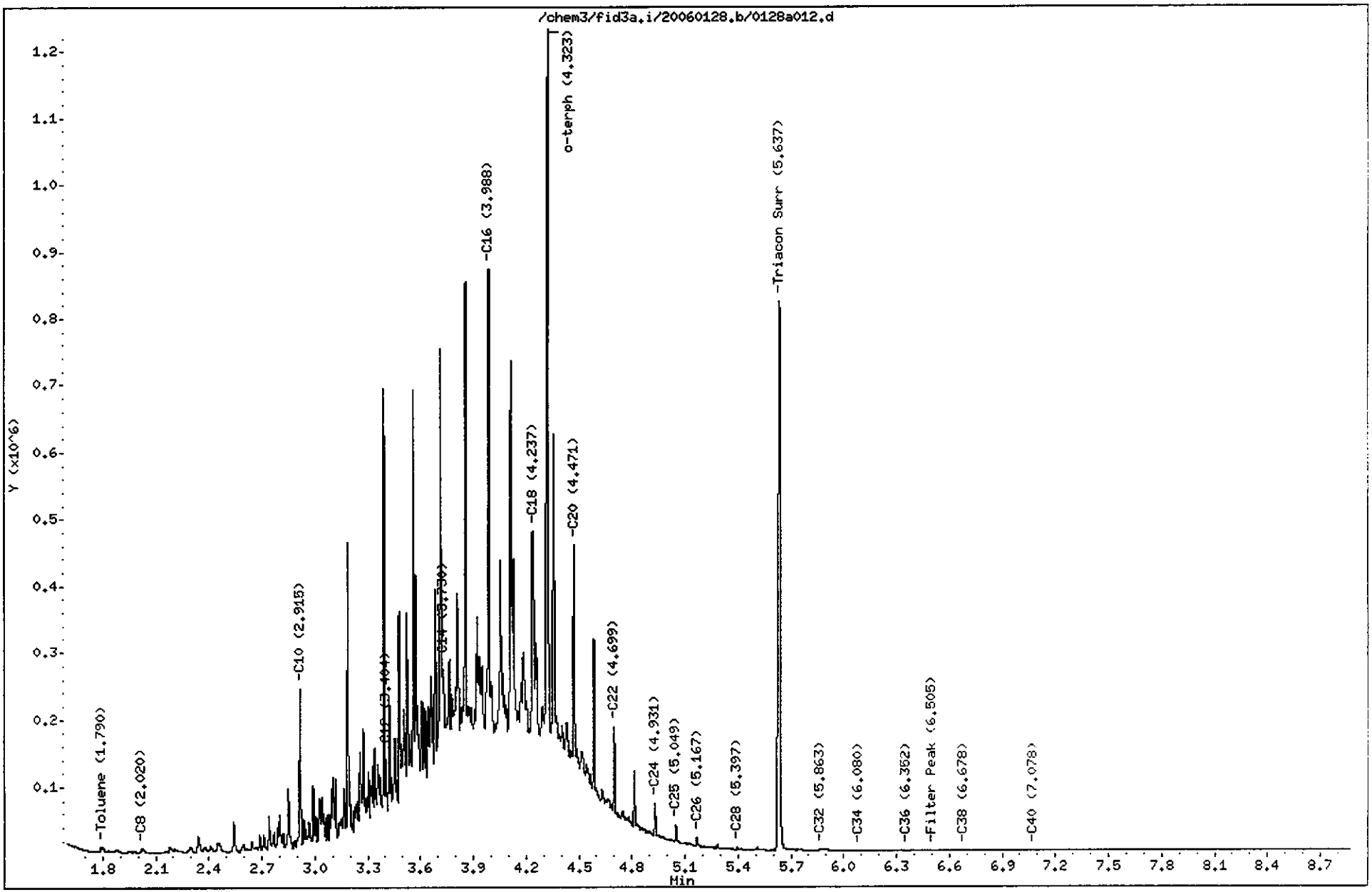
Results reported in mg/L

Data File: /chem3/fid3a.i/20060128.b/0128a012.d
Date : 28-JAN-2006 14:46
Client ID:
Sample Info: IZ17LCSW1

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009

Client ID	OTER	TOT OUT
MB-012706	98.2%	0
LCS-012706	101%	0
MW-111	92.2%	0
MW-111 MS	93.1%	0
MW-111 MSD	91.6%	0
MW-103	87.8%	0
MW-109	98.4%	0
MW-101	88.7%	0
MW-105	94.0%	0
MW-106	96.0%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(54-131)	(46-123)

Prep Method: SW3510C
Log Number Range: 06-1022 to 06-1027

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

Matrix: Water
Date Received: 01/24/06

ARI Job: IZ17
Project: Port of Anacortes 529009

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
06-1022-012706MB1	Method Blank	500 mL	1.00 mL	01/27/06
06-1022-012706LCS1	Lab Control	500 mL	1.00 mL	01/27/06
06-1022-IZ17A	MW-111	500 mL	1.00 mL	01/27/06
06-1022-IZ17AMS	MW-111	500 mL	1.00 mL	01/27/06
06-1022-IZ17AMSD	MW-111	500 mL	1.00 mL	01/27/06
06-1023-IZ17B	MW-103	500 mL	1.00 mL	01/27/06
06-1024-IZ17C	MW-109	500 mL	1.00 mL	01/27/06
06-1025-IZ17D	MW-101	500 mL	1.00 mL	01/27/06
06-1026-IZ17E	MW-105	500 mL	1.00 mL	01/27/06
06-1027-IZ17F	MW-106	500 mL	1.00 mL	01/27/06

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: IZ17MB
LIMS ID: 06-1023
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	7440-38-2	Arsenic	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	7440-50-8	Copper	0.5	0.5	U
200.8	01/26/06	200.8	01/30/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	7440-02-0	Nickel	0.5	0.5	U
200.8	01/26/06	200.8	01/30/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW-111
SAMPLE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-38-2**	**Arsenic**	0.5	**5.2**	
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	0.5	**0.9**	
200.8	01/26/06	200.8	01/30/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	0.5	**2.3**	
200.8	01/26/06	200.8	01/30/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW-111
DUPLICATE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.2 U	0.2 U	0.0%	+/- 0.2	L
Arsenic	200.8	5.2	5.3	1.9%	+/- 20%	
Cadmium	200.8	0.2 U	0.2 U	0.0%	+/- 0.2	L
Copper	200.8	0.9	1.0	10.5%	+/- 0.5	L
Lead	200.8	1 U	1 U	0.0%	+/- 1	L
Mercury	7470A	0.1 U	0.1 U	0.0%	+/- 0.1	L
Nickel	200.8	2.3	2.4	4.3%	+/- 0.5	L
Thallium	200.8	0.2 U	0.2 U	0.0%	+/- 0.2	L

Reported in µg/L

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW-111
MATRIX SPIKE

Lab Sample ID: IZ17A
LIMS ID: 06-1022
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Antimony	200.8	0.200 U	24.8	25.0	99.2%	
Arsenic	200.8	5.15	30.0	25.0	99.4%	
Cadmium	200.8	0.200 U	23.0	25.0	92.0%	
Copper	200.8	0.940	24.3	25.0	93.4%	
Lead	200.8	1.00 U	24.1	25.0	96.4%	
Mercury	7470A	0.100 U	1.03	1.00	103%	
Nickel	200.8	2.30	25.8	25.0	94.0%	
Thallium	200.8	0.200 U	24.0	25.0	96.0%	

Reported in µg/L

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW-103
SAMPLE

Lab Sample ID: IZ17B
LIMS ID: 06-1023
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	**7440-36-0**	**Antimony**	0.2	**0.3**	
200.8	01/26/06	200.8	01/30/06	**7440-38-2**	**Arsenic**	0.5	**3.3**	
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	0.5	**1.1**	
200.8	01/26/06	200.8	01/30/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	0.5	**5.1**	
200.8	01/26/06	200.8	01/30/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW-109
SAMPLE

Lab Sample ID: IZ17C
LIMS ID: 06-1024
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-38-2**	**Arsenic**	0.5	**3.3**	
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	0.5	**0.9**	
200.8	01/26/06	200.8	01/30/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	0.5	**6.5**	
200.8	01/26/06	200.8	01/30/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW-101
SAMPLE

Lab Sample ID: IZ17D
LIMS ID: 06-1025
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-38-2**	**Arsenic**	0.5	**1.9**	
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	0.5	**1.6**	
200.8	01/26/06	200.8	01/30/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	0.5	**5.1**	
200.8	01/26/06	200.8	01/30/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW-105
SAMPLE

Lab Sample ID: IZ17E
LIMS ID: 06-1026
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/31/06	7440-36-0	Antimony	1	1	U
200.8	01/26/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	2	**5**	
200.8	01/26/06	200.8	01/31/06	7440-43-9	Cadmium	1	1	U
200.8	01/26/06	200.8	02/01/06	**7440-50-8**	**Copper**	5	**8**	
200.8	01/26/06	200.8	01/31/06	7439-92-1	Lead	5	5	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	02/01/06	**7440-02-0**	**Nickel**	5	**12**	
200.8	01/26/06	200.8	01/31/06	7440-28-0	Thallium	1	1	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW-106
SAMPLE

Lab Sample ID: IZ17F
LIMS ID: 06-1027
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/31/06	7440-36-0	Antimony	1	1	U
200.8	01/26/06	200.8	02/01/06	7440-38-2	Arsenic	2	2	U
200.8	01/26/06	200.8	01/31/06	7440-43-9	Cadmium	1	1	U
200.8	01/26/06	200.8	02/01/06	**7440-50-8**	**Copper**	2	**6**	
200.8	01/26/06	200.8	01/31/06	7439-92-1	Lead	5	5	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	02/01/06	**7440-02-0**	**Nickel**	2	**10**	
200.8	01/26/06	200.8	01/31/06	7440-28-0	Thallium	1	1	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: LAB CONTROL**

Lab Sample ID: IZ17LCS
LIMS ID: 06-1023
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	200.8	24.9	25.0	99.6%	
Arsenic	200.8	26.3	25.0	105%	
Cadmium	200.8	25.6	25.0	102%	
Copper	200.8	26.9	25.0	108%	
Lead	200.8	27.2	25.0	109%	
Mercury	7470A	2.17	2.00	108%	
Nickel	200.8	26.5	25.0	106%	
Thallium	200.8	27.0	25.0	108%	

Reported in µg/L

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS **Sample ID: METHOD BLANK**

Lab Sample ID: IZ17MB
LIMS ID: 06-1029
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	7440-38-2	Arsenic	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	7440-50-8	Copper	0.5	0.5	U
200.8	01/26/06	200.8	01/30/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	7440-02-0	Nickel	0.5	0.5	U
200.8	01/26/06	200.8	01/30/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: MW-111
SAMPLE

Lab Sample ID: IZ17G
LIMS ID: 06-1028
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-38-2**	**Arsenic**	0.5	**6.2**	
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	0.5	**0.9**	
200.8	01/26/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	0.5	**2.3**	
200.8	01/26/06	200.8	01/31/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: MW-111
DUPLICATE

Lab Sample ID: IZ17G
LIMS ID: 06-1028
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.2 U	0.2 U	0.0%	+/- 0.2	L
Arsenic	200.8	6.2	6.3	1.6%	+/- 20%	
Cadmium	200.8	0.2 U	0.2 U	0.0%	+/- 0.2	L
Copper	200.8	0.9	0.9	0.0%	+/- 0.5	L
Lead	200.8	1 U	1 U	0.0%	+/- 1	L
Mercury	7470A	0.1 U	0.1 U	0.0%	+/- 0.1	L
Nickel	200.8	2.3	2.4	4.3%	+/- 0.5	L
Thallium	200.8	0.2 U	0.2 U	0.0%	+/- 0.2	L

Reported in µg/L

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: MW-111
MATRIX SPIKE

Lab Sample ID: IZ17G
LIMS ID: 06-1028
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Antimony	200.8	0.2 U	25.4	25.0	102%	
Arsenic	200.8	6.2	31.4	25.0	101%	
Cadmium	200.8	0.2 U	23.8	25.0	95.2%	
Copper	200.8	0.9	24.7	25.0	95.2%	
Lead	200.8	1 U	23	25	92.0%	
Mercury	7470A	0.1 U	1.0	1.0	100%	
Nickel	200.8	2.3	26.2	25.0	95.6%	
Thallium	200.8	0.2 U	22.8	25.0	91.2%	

Reported in µg/L

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: MW-103
SAMPLE

Lab Sample ID: IZ17H
LIMS ID: 06-1029
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	**7440-36-0**	**Antimony**	0.2	**0.3**	
200.8	01/26/06	200.8	01/30/06	**7440-38-2**	**Arsenic**	0.5	**3.2**	
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	0.5	**1.3**	
200.8	01/26/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	0.5	**5.1**	
200.8	01/26/06	200.8	01/31/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: MW-109
SAMPLE

Lab Sample ID: IZ17I
LIMS ID: 06-1030
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-38-2**	**Arsenic**	0.5	**2.9**	
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	0.5	**1.0**	
200.8	01/26/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	0.5	**6.4**	
200.8	01/26/06	200.8	01/31/06	7440-28-0	Thallium	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: MW-101
SAMPLE

Lab Sample ID: IZ17J
LIMS ID: 06-1031
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/30/06	7440-36-0	Antimony	0.5	0.5	U
200.8	01/26/06	200.8	01/30/06	7440-38-2	Arsenic	1	1	U
200.8	01/26/06	200.8	01/30/06	7440-43-9	Cadmium	0.5	0.5	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	1	**2**	
200.8	01/26/06	200.8	01/31/06	7439-92-1	Lead	2	2	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	1	**6**	
200.8	01/26/06	200.8	01/31/06	7440-28-0	Thallium	0.5	0.5	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: MW-105
SAMPLE

Lab Sample ID: IZ17K
LIMS ID: 06-1032
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/31/06	7440-36-0	Antimony	1	1	U
200.8	01/26/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	2	**4**	
200.8	01/26/06	200.8	01/31/06	7440-43-9	Cadmium	1	1	U
200.8	01/26/06	200.8	02/01/06	**7440-50-8**	**Copper**	5	**7**	
200.8	01/26/06	200.8	01/31/06	7439-92-1	Lead	5	5	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	02/01/06	**7440-02-0**	**Nickel**	5	**11**	
200.8	01/26/06	200.8	01/31/06	7440-28-0	Thallium	1	1	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: MW-106
SAMPLE

Lab Sample ID: IZ17L
LIMS ID: 06-1033
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/26/06	200.8	01/31/06	7440-36-0	Antimony	0.5	0.5	U
200.8	01/26/06	200.8	01/30/06	**7440-38-2**	**Arsenic**	0.5	**4.6**	
200.8	01/26/06	200.8	01/31/06	7440-43-9	Cadmium	0.5	0.5	U
200.8	01/26/06	200.8	01/30/06	**7440-50-8**	**Copper**	1	**5**	
200.8	01/26/06	200.8	01/31/06	7439-92-1	Lead	2	2	U
7470	01/26/06	7470A	01/26/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/26/06	200.8	01/30/06	**7440-02-0**	**Nickel**	1	**11**	
200.8	01/26/06	200.8	01/31/06	7440-28-0	Thallium	0.5	0.5	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS **Sample ID: LAB CONTROL**

Lab Sample ID: IZ17LCS
LIMS ID: 06-1029
Matrix: Water
Data Release Authorized:
Reported: 02/02/06

QC Report No: IZ17-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	200.8	24.9	25.0	99.6%	
Arsenic	200.8	26.2	25.0	105%	
Cadmium	200.8	25.7	25.0	103%	
Copper	200.8	26.7	25.0	107%	
Lead	200.8	27	25	108%	
Mercury	7470A	2.2	2.0	110%	
Nickel	200.8	26.5	25.0	106%	
Thallium	200.8	27.3	25.0	109%	

Reported in µg/L

N-Control limit not met
Control Limits: 80-120%

METHOD BLANK RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
Chloride	EPA 325.2	01/27/06	mg/L	< 1.0 U
N-Ammonia	EPA 350.1M	02/03/06	mg-N/L	< 0.010 U
N-Nitrite	EPA 353.2	01/25/06	mg-N/L	< 0.010 U
Nitrate + Nitrite	EPA 353.2	01/25/06	mg-N/L	< 0.010 U
Sulfate	EPA 375.2	02/01/06	mg/L	< 2.0 U
		02/02/06		< 2.0 U
		02/02/06		< 2.0 U
Sulfide	EPA 376.2	01/26/06	mg/L	< 1.00 U
		01/27/06		< 0.05 U
Phenol	EPA 420.1	01/30/06	mg/L	< 0.04 U

SAMPLE RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Client ID: MW-111
ARI ID: 06-1022 IZ17A

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	100	560
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.050	2.96
N-Nitrate	01/25/06	Calculated	mg-N/L	0.020	< 0.020 U
N-Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.020	< 0.020 U
Nitrate + Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.020	< 0.020 U
Sulfate	02/01/06 020106#1	EPA 375.2	mg/L	4.0	73.6
Sulfide	01/27/06	EPA 376.2	mg/L	0.05	< 0.05 U
Phenol	01/30/06 013006#1	EPA 420.1	mg/L	0.04	0.07

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Client ID: MW-103
ARI ID: 06-1023 IZ17B

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	50.0	296
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.100	7.17
N-Nitrate	01/25/06	Calculated	mg-N/L	0.500	< 0.500 U
N-Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.500	< 0.500 U
Nitrate + Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.500	< 0.500 U
Sulfate	02/01/06 020106#1	EPA 375.2	mg/L	20.0	42.5
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	1.80
Phenol	01/30/06 013006#1	EPA 420.1	mg/L	0.04	< 0.04 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Client ID: MW-109
ARI ID: 06-1024 IZ17C

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	200	256
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.100	6.06
N-Nitrate	01/25/06	Calculated	mg-N/L	0.200	< 0.200 U
N-Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.200	< 0.200 U
Nitrate + Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.200	< 0.200 U
Sulfate	02/01/06 020106#1	EPA 375.2	mg/L	4.0	14.8
Sulfide	01/27/06	EPA 376.2	mg/L	0.05	< 0.05 U
Phenol	01/30/06 013006#1	EPA 420.1	mg/L	0.04	0.20

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Client ID: MW-101
ARI ID: 06-1025 IZ17D

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	500	3,710
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.100	8.01
N-Nitrate	01/25/06	Calculated	mg-N/L	0.020	0.021
N-Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.020	0.029
Nitrate + Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.020	0.050
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	20.0	216
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	23.0
Phenol	01/30/06 013006#1	EPA 420.1	mg/L	0.04	0.44

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Client ID: MW-105
ARI ID: 06-1026 IZ17E

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	5,000	16,500
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.010	0.530
N-Nitrate	01/25/06	Calculated	mg-N/L	0.200	< 0.200 U
N-Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.200	< 0.200 U
Nitrate + Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.200	< 0.200 U
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	100	1,970
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	9.60
Phenol	01/30/06 013006#1	EPA 420.1	mg/L	0.04	< 0.04 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Client ID: MW-106
ARI ID: 06-1027 IZ17F

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	5,000	10,900
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.010	0.492
N-Nitrate	01/25/06	Calculated	mg-N/L	0.200	< 0.200 U
N-Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.200	< 0.200 U
Nitrate + Nitrite	01/25/06 012506#1	EPA 353.2	mg-N/L	0.200	< 0.200 U
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	100	1,330
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	3.80
Phenol	01/30/06 013006#1	EPA 420.1	mg/L	0.04	< 0.04 U

RL Analytical reporting limit
U Undetected at reported detection limit

LAB CONTROL RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	LCS	Spike Added	Recovery
Sulfide	EPA 376.2	01/26/06	mg/L	3.00	2.90	103.4%
		01/27/06		0.36	0.36	100.0%

STANDARD REFERENCE RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #38084	EPA 325.2	01/27/06	mg/L	5.0	5.0	100.0%
N-Ammonia SPEX 28-24AS	EPA 350.1M	02/03/06	mg-N/L	0.464	0.500	92.8%
N-Nitrite ERA #23034	EPA 353.2	01/25/06	mg-N/L	0.476	0.500	95.2%
Nitrate + Nitrite ERA #20034	EPA 353.2	01/25/06	mg-N/L	0.477	0.500	95.4%
Sulfate ERA #37065	EPA 375.2	02/01/06 02/02/06 02/02/06	mg/L	27.0 26.0 26.0	25.0 25.0 25.0	108.0% 104.0% 104.0%
Phenol ERA 23073.2	EPA 420.1	01/30/06	mg/L	0.49	0.50	98.0%

REPLICATE RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: IZ17A Client ID: MW-111						
Chloride	EPA 325.2	01/27/06	mg/L	560	552	1.4%
N-Ammonia	EPA 350.1M	02/03/06	mg-N/L	2.96	2.96	0.0%
N-Nitrite	EPA 353.2	01/25/06	mg-N/L	< 0.020	< 0.020	NA
Nitrate + Nitrite	EPA 353.2	01/25/06	mg-N/L	< 0.020	< 0.020	NA
Sulfate	EPA 375.2	02/01/06	mg/L	73.6	73.0	0.8%
Sulfide	EPA 376.2	01/27/06	mg/L	< 0.05	< 0.05	NA
Phenol	EPA 420.1	01/30/06	mg/L	0.07	< 0.04	NA

MS/MSD RESULTS-CONVENTIONALS
IZ17-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 02/07/06

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/24/06

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: IZ17A Client ID: MW-111							
Chloride	EPA 325.2	01/27/06	mg/L	560	1,030	500	94.0%
N-Ammonia	EPA 350.1M	02/03/06	mg-N/L	2.96	8.00	5.00	100.8%
N-Nitrite	EPA 353.2	01/25/06	mg-N/L	< 0.020	2.49	2.50	99.6%
Nitrate + Nitrite	EPA 353.2	01/25/06	mg-N/L	< 0.020	2.46	2.50	98.4%
Sulfate	EPA 375.2	02/01/06	mg/L	73.6	183	100	109.4%
Sulfide	EPA 376.2	01/27/06	mg/L	< 0.05	0.21	0.25	84.0%
Phenol	EPA 420.1	01/30/06	mg/L	0.07	0.54	0.41	114.6%

AQUATIC RESEARCH INCORPORATED

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER: ARI096-93 **PAGE 1**

REPORT DATE: 01/31/06

DATE SAMPLED: 01/23/06 **DATE RECEIVED:** 01/25/06

FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM ANALYTICAL RESOURCES / IZ17

CASE NARRATIVE

Six water samples were received by the laboratory in good condition. The samples were analyzed according to the chain-of-custody. No difficulties were encountered in the preparation or analysis of these samples. Sample data follows while QA/QC data is contained on the subsequent page.

SAMPLE DATA

SAMPLE ID	LAB ID	TANNINS/LIGNINS (mg/l)
06-1022-IZ17A	MW-111	5.40
06-1023-IZ17B	MW-103	5.36
06-1024-IZ17C	MW-109	3.00
06-1025-IZ17D	MW-101	40.6
06-1026-IZ17E	MW-105	1.05
06-1027-IZ17F	MW-106	1.20

AQUATIC RESEARCH INCORPORATED

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

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CASE FILE NUMBER: ARI096-93 **PAGE 2**

REPORT DATE: 01/31/06

DATE SAMPLED: 01/23/06 **DATE RECEIVED:** 01/25/06

FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM ANALYTICAL RESOURCES / IZ17

QA/QC DATA

QC PARAMETER	TANNINS/LIGNINS (mg/l)
METHOD	SM18 5550B
DATE ANALYZED	01/31/06
DETECTION LIMIT	0.010
DUPLICATE	
SAMPLE ID	BATCH
ORIGINAL	1.97
DUPLICATE	2.11
RPD	6.65%
SPIKE SAMPLE	
SAMPLE ID	BATCH
ORIGINAL	1.97
SPIKED SAMPLE	2.89
SPIKE ADDED	1.00
% RECOVERY	92.08%
QC CHECK	
FOUND	1.04
TRUE	1.00
% RECOVERY	104.01%
BLANK	<0.010

RPD = RELATIVE PERCENT DIFFERENCE.
NA = NOT APPLICABLE OR NOT AVAILABLE.
NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TO LOW RELATIVE TO SAMPLE CONCENTRATION.

SUBMITTED BY:

Steven Lazoff
Laboratory Director

ARI076-9

SUBCONTRACTOR ANALYSIS REQUEST
CUSTODY TRANSFER 01\24\06

ANALYTICAL RESOURCES INCORPORATED

ARI Project: IZ17

Laboratory: Aquatic Research, Inc
Lab Contact: Steve Lazoff
Lab Address: 3927 Aurora Ave N.
Seattle, WA 98103
Phone: 206-632-2715
Fax: 206-632-2417

ARI Client: Landau Associates
Project ID: 529009
ARI PMgr: Mary Lou Fox
Phone: (206) 340-2866 Ext
Fax: (206) 695-6201

Analytical Protocol: In-house
Special Instructions:

Requested Turn Around: Std
Fax Results (Y/N): **YES**

Limits of Liability. *Subcontractor is expected to perform all requested services in accordance with appropriate methodology following Standard Operating Procedures that meet standards for the industry. The total liability of ARI, its officers, agents, employees, or sucessors, arising out of or in connection with the requested services, shall not exceed the negotiated amount for said services. The agreement by the Subcontractor to perform services requested by ARI releases ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Subcontractor.*

ARI Sample ID	Client Sample ID/ Add'l Sample ID	Sampled	Matrix	Bottles	Analyses
06-1022-IZ17A	MW-111	1/23/06	Water	3	Tannins & Lignins
Special Instructions: NONE				matrix QC	
06-1023-IZ17B	MW-103	1/23/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1024-IZ17C	MW-109	1/23/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1025-IZ17D	MW-101	1/23/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1026-IZ17E	MW-105	1/23/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1027-IZ17F	MW-106	1/23/06	Water	1	Tannins & Lignins
Special Instructions: NONE					

Carrier		Airbill		Date	
Relinquished by		Company ARI	Date 1-25-06	Time 1225	
Received by		Company ARI	Date 1/25/06	Time 1225	