Analytical Resources, Incorporated
Analytical Chemists and Consultants

13 February 2006

Stacy Pischer
Landau Associates, Inc.
130 Second Avenue South
Edmonds, WA 98020-9129

RE: Project: Port of Anacortes / 529009
ARI Job No: IZ30

Dear Stacy:

Please find enclosed a copy of chain of custody (COC) record and the analytical results for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted thirteen water samples and a trip blank on January 25, 2006 in good condition. There were no discrepancies between the COC and the sample containers' labels.

The samples were analyzed for VOAs, SIM vinyl chloride, SVOAs, LVI SIM-cPAHs, Resin Acids, PCBs, Pests, NWTPH-G, NWTPH-Dx with acid/silica gel cleanups, total and dissolved metals, conventional parameters, and tannins/lignins. The standards for the NWTPH-Dx analyses were acid/silica cleaned as per the method. The analysis for tanning/lignins was sub-contracted to Aquatic Research in Seattle, WA.

The volatiles analyst noted the strong sulfur odor for some of the samples. Samples **MW-108**, MW-101, **MW-105**, and **MW-106** were diluted for the 20-mL purge analyses based on the matrix interference found in the SIM vinyl chloride analyses.

The volatiles analyst noted that the pH's of samples **MW-102**, **MW-113**, **MW-109**, and **MW-101** were approximately 6-8, although the samples were indicated as preserved. The samples were analyzed seven, eight, or nine days past collection for the full-scan 8260 and SIM vinyl chloride analyses.

In the initial undiluted analysis of sample **MW-110** for LVI-SIM cPAHs, the d12-perylene internal standard showed an area above the QC limit. The sample was re-analyzed with a three times dilution with all QC compliant, indicating a matrix effect. Both analyses of this sample have been reported.

In the analyses for PCBs, samples **MW-102**, **MW-113**, and **MW-110** showed somewhat low surrogate recoveries, although within the QC limits. The extractions analyst had noted high levels of emulsions for these samples in the extraction. Surrogates tend to show loss with emulsions.

In some of the samples' metals analyses, the result for an element was slightly higher in the dissolved analysis than in the corresponding total analysis. In general these differences are within the range of analytical variability.

Another potential source of variability is due to the fact that the total samples are not homogenized, but are allowed to settle and an aliquot be withdrawn from the top of the container for the analysis as per the client request.

The analysts noted that many of the samples were diluted due to color for the nitrate/nitrite and ammonia analyses.

No further analytical complications were noted. A copy of this report and all associated raw data will remain on file with ARI. If you have any questions or require additional information, please feel free to contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Mary Lou Fox

Mary Lou Fox
Project Manager
206/695-6211
marylou@arilabs.com

Enclosures
cc: IZ17
MLF/mlf

LANDAU ASSOCIATES

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

1230 4,5,3,3,4,0,4,3

Date 1-24-06
Page 1 of 1

Chain-of-Custody Record

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

Turnaround Time
☑ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	TPH-G, VOCs, Vinyl Chloride	TPH-D, SVOC, guaiacol	Chlorinated guaiacol	cPAHs, PCBs	Pesticides	Total/Dis metals*	Chloride, Nitrate, Sulfate	nitrate/nitrite	Sulfide, phenol	resin acids	furans / lignins	dioxin/furans	Observations/Comments
MW-102 (102)	1-24-06	1500	water	21	X	X	X	X		X	X	X	X	X	X		
MW-104		1520		23	X	X	X	X		X	X	X	X	X	X	X	
MW-113		1530		21	X	X	X	X		X	X	X	X	X	X		
MW-108		1700		24	X	X	X	X	X	X	X	X	X	X	X	X	
MW-112		1745		23	X	X	X	X		X	X	X	X	X	X	X	
MW-107		1850		24	X	X	X	X	X	X	X	X	X	X	X	X	
MW-110		1935		23	X	X	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
___ Freese upon receipt

✓ Dissolved metal water samples field filtered

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

Special Shipment/Handling or Storage Requirements store onice

Method of Shipment Courier

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature [signature]	Signature	Signature
Printed Name Evalyn Albright	Printed Name Bryan R. Bussey	Printed Name	Printed Name
Company LAI	Company MFI	Company	Company
Date 1-25-06 Time 900	Date 1-25-06 Time 1450	Date _____ Time _____	Date _____ Time _____

0001

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

Rev 4/01

LANDAU ASSOCIATES

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

1230

Date 1-23-06

Page 1 of 1

Chain-of-Custody Record

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	Vinyl Chloride VOCs	MS/MSD
MW-111	1-23-06	1450	water	2	X	X	X
MW-103		1455		7	X	X	
MW-109		1730		7	X	X	
MW-101		1820		7	X	X	
MW-105		1935		7	X	X	
MW-106		2000		7	X	X	
Trip Blank				2	X	X	

Observations/Comments

✓ 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
___ Freese upon receipt

___ Dissolved metal water samples field filtered

Other _____

Special Shipment/Handling or Storage Requirements: store on ice

Method of Shipment: Courier

Relinquished by	Received by	Relinquished by	Received by
Signature: Evalyn Albright	Signature:	Signature:	Signature:
Printed Name: Evalyn Albright	Printed Name: Bryan R. Bussey	Printed Name:	Printed Name:
Company: Landau Assoc	Company: ARI	Company:	Company:
Date: 1-25-06 Time: 900	Date: 1-25-06 Time: 1450	Date: Time:	Date: Time:

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

Rev 4/01

0002

Data Reporting Qualifiers

Effective 12/28/04

Inorganic Data

U Indicates that the target analyte was not detected at the reported concentration

* Duplicate RPD is not within established control limits

B Reported value is less than the CRDL but ≥ the Reporting Limit

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U Indicates that the target analyte was not detected at the reported concentration

* Flagged value is not within established control limits

B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J Estimated concentration when the value is less than ARI's established reporting limits

D The spiked compound was not detected due to sample extract dilution

NR Spiked compound recovery is not reported due to chromatographic interference

E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

F Samples were frozen prior to particle size determination

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-013106**
Page 1 of 2 **METHOD BLANK**

Lab Sample ID: MB-013106
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 12:05

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

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ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-013106**
 METHOD BLANK

Lab Sample ID: MB-013106 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1149 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 01/31/06 12:05

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	89.5%
d8-Toluene	95.2%
Bromofluorobenzene	80.8%
d4-1,2-Dichlorobenzene	90.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-020106**
Page 1 of 2 **METHOD BLANK**

Lab Sample ID: MB-020106 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1150 Project: Port of Anacortes
Matrix: Water 529009
Data Release Authorized: Date Sampled: NA
Reported: 02/07/06 Date Received: NA

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 02/01/06 12:06 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-020106**
 METHOD BLANK

Lab Sample ID: MB-020106 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1150 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/01/06 12:06

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	92.5%
d8-Toluene	95.0%
Bromofluorobenzene	79.2%
d4-1,2-Dichlorobenzene	87.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-102**
 SAMPLE

Lab Sample ID: IZ30A
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 16:19

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**3.7**	
75-15-0	**Carbon Disulfide**	**0.2**	**0.2**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-102**
 SAMPLE

Lab Sample ID: IZ30A
LIMS ID: 06-1142
Matrix: Water
Date Analyzed: 01/31/06 16:19

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	111%
d8-Toluene	112%
Bromofluorobenzene	96.5%
d4-1,2-Dichlorobenzene	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-104**
 SAMPLE

Lab Sample ID: IZ30B
LIMS ID: 06-1143
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 16:43

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**6.6**	
75-15-0	**Carbon Disulfide**	**0.2**	**0.3**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-104**
 SAMPLE

Lab Sample ID: IZ30B
LIMS ID: 06-1143
Matrix: Water
Date Analyzed: 01/31/06 16:43

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	116%
d8-Toluene	116%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	108%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-113**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 17:10

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**4.0**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-113**
 SAMPLE

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Date Analyzed: 01/31/06 17:10

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	114%
d8-Toluene	112%
Bromofluorobenzene	97.2%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-108**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 17:37

Sample Amount: 4.00 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	1.5	< 1.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	2.5	< 2.5	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	< 1.0	U
1330-20-7	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	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
107-02-8	Acrolein	25	< 25	U
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10	< 10	U
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-108**
 SAMPLE

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Date Analyzed: 01/31/06 17:37

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
91-20-3	Naphthalene	2.5	< 2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	105%
Bromofluorobenzene	87.0%
d4-1,2-Dichlorobenzene	99.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-112**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30E
LIMS ID: 06-1146
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 18:05

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-112**
 SAMPLE

Lab Sample ID: IZ30E
LIMS ID: 06-1146
Matrix: Water
Date Analyzed: 01/31/06 18:05

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	116%
Bromofluorobenzene	98.5%
d4-1,2-Dichlorobenzene	112%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-107**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 18:32

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-107**
 SAMPLE

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Date Analyzed: 01/31/06 18:32

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	120%
d8-Toluene	113%
Bromofluorobenzene	97.5%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-110**
 SAMPLE

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 18:59

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.8**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-110**
 SAMPLE

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Date Analyzed: 01/31/06 18:59

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	116%
d8-Toluene	118%
Bromofluorobenzene	99.2%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-111**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 19:26

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**3.2**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-111**
Page 2 of 2 **SAMPLE**

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Date Analyzed: 01/31/06 19:26

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%
d8-Toluene	110%
Bromofluorobenzene	92.2%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-111**
Page 1 of 2 **MATRIX SPIKE**

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 15:23

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	---	
74-83-9	Bromomethane	0.2	---	
75-00-3	Chloroethane	0.2	---	
75-09-2	Methylene Chloride	0.3	---	
67-64-1	Acetone	1.0	---	
75-15-0	Carbon Disulfide	0.2	---	
75-35-4	1,1-Dichloroethene	0.2	---	
75-34-3	1,1-Dichloroethane	0.2	---	
156-60-5	trans-1,2-Dichloroethene	0.2	---	
156-59-2	cis-1,2-Dichloroethene	0.2	---	
67-66-3	Chloroform	0.2	---	
107-06-2	1,2-Dichloroethane	0.2	---	
78-93-3	2-Butanone	1.0	---	
71-55-6	1,1,1-Trichloroethane	0.2	---	
56-23-5	Carbon Tetrachloride	0.2	---	
108-05-4	Vinyl Acetate	0.2	---	
75-27-4	Bromodichloromethane	0.2	---	
78-87-5	1,2-Dichloropropane	0.2	---	
10061-01-5	cis-1,3-Dichloropropene	0.2	---	
79-01-6	Trichloroethene	0.2	---	
124-48-1	Dibromochloromethane	0.2	---	
79-00-5	1,1,2-Trichloroethane	0.2	---	
71-43-2	Benzene	0.2	---	
10061-02-6	trans-1,3-Dichloropropene	0.2	---	
110-75-8	2-Chloroethylvinylether	0.5	---	
75-25-2	Bromoform	0.2	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	---	
591-78-6	2-Hexanone	1.0	---	
127-18-4	Tetrachloroethene	0.2	---	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	---	
108-88-3	Toluene	0.2	---	
108-90-7	Chlorobenzene	0.2	---	
100-41-4	Ethylbenzene	0.2	---	
100-42-5	Styrene	0.2	---	
75-69-4	Trichlorofluoromethane	0.2	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	---	
1330-20-7	m,p-Xylene	0.4	---	
95-47-6	o-Xylene	0.2	---	
95-50-1	1,2-Dichlorobenzene	0.2	---	
541-73-1	1,3-Dichlorobenzene	0.2	---	
106-46-7	1,4-Dichlorobenzene	0.2	---	
107-02-8	Acrolein	5.0	---	
74-88-4	Methyl Iodide	0.2	---	
74-96-4	Bromoethane	0.2	---	
107-13-1	Acrylonitrile	1.0	---	
563-58-6	1,1-Dichloropropene	0.2	---	
74-95-3	Dibromomethane	0.2	---	
630-20-6	1,1,1,2-Tetrachloroethane	0.2	---	
96-12-8	1,2-Dibromo-3-chloropropane	2.0	---	
96-18-4	1,2,3-Trichloropropane	0.5	---	
110-57-6	trans-1,4-Dichloro-2-butene	1.0	---	

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-111**
 MATRIX SPIKE

Lab Sample ID: IZ30H QC Report No: IZ30-Landau Associates
LIMS ID: 06-1149 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 01/31/06 15:23

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	---	
95-63-6	1,2,4-Trimethylbenzene	0.2	---	
87-68-3	Hexachlorobutadiene	0.5	---	
106-93-4	Ethylene Dibromide	0.2	---	
74-97-5	Bromochloromethane	0.2	---	
594-20-7	2,2-Dichloropropane	0.2	---	
142-28-9	1,3-Dichloropropane	0.2	---	
98-82-8	Isopropylbenzene	0.2	---	
103-65-1	n-Propylbenzene	0.2	---	
108-86-1	Bromobenzene	0.2	---	
95-49-8	2-Chlorotoluene	0.2	---	
106-43-4	4-Chlorotoluene	0.2	---	
98-06-6	tert-Butylbenzene	0.2	---	
135-98-8	sec-Butylbenzene	0.2	---	
99-87-6	4-Isopropyltoluene	0.2	---	
104-51-8	n-Butylbenzene	0.2	---	
120-82-1	1,2,4-Trichlorobenzene	0.5	---	
91-20-3	Naphthalene	0.5	---	
87-61-6	1,2,3-Trichlorobenzene	0.5	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	112%
d8-Toluene	113%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	99.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-111**
 MATRIX SPIKE DUP

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 01/31/06 15:51

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	---	
74-83-9	Bromomethane	0.2	---	
75-00-3	Chloroethane	0.2	---	
75-09-2	Methylene Chloride	0.3	---	
67-64-1	Acetone	1.0	---	
75-15-0	Carbon Disulfide	0.2	---	
75-35-4	1,1-Dichloroethene	0.2	---	
75-34-3	1,1-Dichloroethane	0.2	---	
156-60-5	trans-1,2-Dichloroethene	0.2	---	
156-59-2	cis-1,2-Dichloroethene	0.2	---	
67-66-3	Chloroform	0.2	---	
107-06-2	1,2-Dichloroethane	0.2	---	
78-93-3	2-Butanone	1.0	---	
71-55-6	1,1,1-Trichloroethane	0.2	---	
56-23-5	Carbon Tetrachloride	0.2	---	
108-05-4	Vinyl Acetate	0.2	---	
75-27-4	Bromodichloromethane	0.2	---	
78-87-5	1,2-Dichloropropane	0.2	---	
10061-01-5	cis-1,3-Dichloropropene	0.2	---	
79-01-6	Trichloroethene	0.2	---	
124-48-1	Dibromochloromethane	0.2	---	
79-00-5	1,1,2-Trichloroethane	0.2	---	
71-43-2	Benzene	0.2	---	
10061-02-6	trans-1,3-Dichloropropene	0.2	---	
110-75-8	2-Chloroethylvinylether	0.5	---	
75-25-2	Bromoform	0.2	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	---	
591-78-6	2-Hexanone	1.0	---	
127-18-4	Tetrachloroethene	0.2	---	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	---	
108-88-3	Toluene	0.2	---	
108-90-7	Chlorobenzene	0.2	---	
100-41-4	Ethylbenzene	0.2	---	
100-42-5	Styrene	0.2	---	
75-69-4	Trichlorofluoromethane	0.2	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	---	
1330-20-7	m,p-Xylene	0.4	---	
95-47-6	o-Xylene	0.2	---	
95-50-1	1,2-Dichlorobenzene	0.2	---	
541-73-1	1,3-Dichlorobenzene	0.2	---	
106-46-7	1,4-Dichlorobenzene	0.2	---	
107-02-8	Acrolein	5.0	---	
74-88-4	Methyl Iodide	0.2	---	
74-96-4	Bromoethane	0.2	---	
107-13-1	Acrylonitrile	1.0	---	
563-58-6	1,1-Dichloropropene	0.2	---	
74-95-3	Dibromomethane	0.2	---	
630-20-6	1,1,1,2-Tetrachloroethane	0.2	---	
96-12-8	1,2-Dibromo-3-chloropropane	2.0	---	
96-18-4	1,2,3-Trichloropropane	0.5	---	
110-57-6	trans-1,4-Dichloro-2-butene	1.0	---	

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-111**
 MATRIX SPIKE DUP

Lab Sample ID: IZ30H QC Report No: IZ30-Landau Associates
LIMS ID: 06-1149 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 01/31/06 15:51

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	---	
95-63-6	1,2,4-Trimethylbenzene	0.2	---	
87-68-3	Hexachlorobutadiene	0.5	---	
106-93-4	Ethylene Dibromide	0.2	---	
74-97-5	Bromochloromethane	0.2	---	
594-20-7	2,2-Dichloropropane	0.2	---	
142-28-9	1,3-Dichloropropane	0.2	---	
98-82-8	Isopropylbenzene	0.2	---	
103-65-1	n-Propylbenzene	0.2	---	
108-86-1	Bromobenzene	0.2	---	
95-49-8	2-Chlorotoluene	0.2	---	
106-43-4	4-Chlorotoluene	0.2	---	
98-06-6	tert-Butylbenzene	0.2	---	
135-98-8	sec-Butylbenzene	0.2	---	
99-87-6	4-Isopropyltoluene	0.2	---	
104-51-8	n-Butylbenzene	0.2	---	
120-82-1	1,2,4-Trichlorobenzene	0.5	---	
91-20-3	Naphthalene	0.5	---	
87-61-6	1,2,3-Trichlorobenzene	0.5	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	121%
d8-Toluene	119%
Bromofluorobenzene	106%
d4-1,2-Dichlorobenzene	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-103**
 SAMPLE

Lab Sample ID: IZ30I
LIMS ID: 06-1150
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 02/01/06 14:03

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.8**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-103**
 SAMPLE

Lab Sample ID: IZ30I
LIMS ID: 06-1150
Matrix: Water
Date Analyzed: 02/01/06 14:03

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%
d8-Toluene	113%
Bromofluorobenzene	95.5%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-109**
 SAMPLE

Lab Sample ID: IZ30J
LIMS ID: 06-1151
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 02/01/06 14:30

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**19**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	**Toluene**	**0.2**	**0.2**	
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-109**
 SAMPLE

Lab Sample ID: IZ30J
LIMS ID: 06-1151
Matrix: Water
Date Analyzed: 02/01/06 14:30

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	115%
d8-Toluene	110%
Bromofluorobenzene	92.0%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-101**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30K
LIMS ID: 06-1152
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 02/01/06 14:57

Sample Amount: 4.00 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	1.5	< 1.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	**Carbon Disulfide**	**1.0**	**1.4**	
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	2.5	< 2.5	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	< 1.0	U
1330-20-7	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	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
107-02-8	Acrolein	25	< 25	U
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10	< 10	U
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-101**
 SAMPLE

Lab Sample ID: IZ30K
LIMS ID: 06-1152
Matrix: Water
Date Analyzed: 02/01/06 14:57

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
91-20-3	Naphthalene	2.5	< 2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.5%
d8-Toluene	100%
Bromofluorobenzene	82.0%
d4-1,2-Dichlorobenzene	90.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-105**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30L
LIMS ID: 06-1153
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 02/01/06 15:25

Sample Amount: 4.00 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	1.5	< 1.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	2.5	< 2.5	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	< 1.0	U
1330-20-7	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	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
107-02-8	Acrolein	25	< 25	U
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10	< 10	U
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-105**
 SAMPLE

Lab Sample ID: IZ30L
LIMS ID: 06-1153
Matrix: Water
Date Analyzed: 02/01/06 15:25

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
91-20-3	Naphthalene	2.5	< 2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.0%
d8-Toluene	103%
Bromofluorobenzene	85.5%
d4-1,2-Dichlorobenzene	93.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-106**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30M
LIMS ID: 06-1154
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 02/01/06 15:53

Sample Amount: 4.00 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	1.5	< 1.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	2.5	< 2.5	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	< 1.0	U
1330-20-7	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	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
107-02-8	Acrolein	25	< 25	U
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10	< 10	U
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-106**
 SAMPLE

Lab Sample ID: IZ30M
LIMS ID: 06-1154
Matrix: Water
Date Analyzed: 02/01/06 15:53

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
91-20-3	Naphthalene	2.5	< 2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	99.8%
Bromofluorobenzene	81.8%
d4-1,2-Dichlorobenzene	91.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: Trip Blank**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30N
LIMS ID: 06-1155
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/10/06
Date Received: 01/25/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 02/01/06 16:28

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: Trip Blank**
 SAMPLE

Lab Sample ID: IZ30N
LIMS ID: 06-1155
Matrix: Water
Date Analyzed: 02/01/06 16:28

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

CAS Number	Analyte	RL	Result	Q
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	109%
d8-Toluene	119%
Bromofluorobenzene	98.0%
d4-1,2-Dichlorobenzene	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-111**
Page 1 of 2 **MATRIX SPIKE**

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst MS: FINN3/PAB
MSD: FINN3/PAB
Date Analyzed MS: 01/31/06 15:23
MSD: 01/31/06 15:51

Sample Amount MS: 20.0 mL
MSD: 20.0 mL
Purge Volume MS: 20.0 mL
MSD: 20.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Chloromethane	< 0.2 U	4.1	4.0	102%	4.2	4.0	105%	2.4%
Bromomethane	< 0.2 U	2.5	4.0	62.5%	2.7	4.0	67.5%	7.7%
Chloroethane	< 0.2 U	4.4	4.0	110%	4.5	4.0	112%	2.2%
Methylene Chloride	< 0.3 U	4.3	4.0	108%	4.5	4.0	112%	4.5%
Acetone	3.2	27.4	20.0	121%	29.3	20.0	130%	6.7%
Carbon Disulfide	< 0.2 U	4.9	4.0	122%	5.0	4.0	125%	2.0%
1,1-Dichloroethene	< 0.2 U	4.5	4.0	112%	4.6	4.0	115%	2.2%
1,1-Dichloroethane	< 0.2 U	4.9	4.0	122%	5.0	4.0	125%	2.0%
trans-1,2-Dichloroethene	< 0.2 U	4.8	4.0	120%	4.8	4.0	120%	0.0%
cis-1,2-Dichloroethene	< 0.2 U	4.2	4.0	105%	4.4	4.0	110%	4.7%
Chloroform	< 0.2 U	4.3	4.0	108%	4.6	4.0	115%	6.7%
1,2-Dichloroethane	< 0.2 U	4.4	4.0	110%	4.7	4.0	118%	6.6%
2-Butanone	< 1.0 U	22.9	20.0	114%	24.5	20.0	122%	6.8%
1,1,1-Trichloroethane	< 0.2 U	4.1	4.0	102%	4.4	4.0	110%	7.1%
Carbon Tetrachloride	< 0.2 U	4.1	4.0	102%	4.4	4.0	110%	7.1%
Vinyl Acetate	< 0.2 U	4.2	4.0	105%	4.6	4.0	115%	9.1%
Bromodichloromethane	< 0.2 U	4.2	4.0	105%	4.6	4.0	115%	9.1%
1,2-Dichloropropane	< 0.2 U	4.4	4.0	110%	4.6	4.0	115%	4.4%
cis-1,3-Dichloropropene	< 0.2 U	3.6	4.0	90.0%	4.0	4.0	100%	10.5%
Trichloroethene	< 0.2 U	4.2	4.0	105%	4.4	4.0	110%	4.7%
Dibromochloromethane	< 0.2 U	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
1,1,2-Trichloroethane	< 0.2 U	4.6	4.0	115%	4.8	4.0	120%	4.3%
Benzene	< 0.2 U	4.6	4.0	115%	4.9	4.0	122%	6.3%
trans-1,3-Dichloropropene	< 0.2 U	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
2-Chloroethylvinylether	< 0.5 U	< 0.5 U	4.0	NA	< 0.5 U	4.0	NA	NA
Bromoform	< 0.2 U	3.5	4.0	87.5%	3.9	4.0	97.5%	10.8%
4-Methyl-2-Pentanone (MIBK)	< 1.0 U	23.1	20.0	116%	26.0	20.0	130%	11.8%
2-Hexanone	< 1.0 U	23.0	20.0	115%	24.9	20.0	124%	7.9%
Tetrachloroethene	< 0.2 U	4.2	4.0	105%	4.4	4.0	110%	4.7%
1,1,2,2-Tetrachloroethane	< 0.2 U	4.1	4.0	102%	4.4	4.0	110%	7.1%
Toluene	< 0.2 U	4.6	4.0	115%	4.8	4.0	120%	4.3%
Chlorobenzene	< 0.2 U	4.3	4.0	108%	4.5	4.0	112%	4.5%
Ethylbenzene	< 0.2 U	4.7	4.0	118%	4.9	4.0	122%	4.2%
Styrene	< 0.2 U	4.2	4.0	105%	4.1	4.0	102%	2.4%
Trichlorofluoromethane	< 0.2 U	4.5	4.0	112%	4.5	4.0	112%	0.0%
1,1,2-Trichloro-1,2,2-trifl	< 0.2 U	4.5	4.0	112%	4.6	4.0	115%	2.2%
m,p-Xylene	< 0.4 U	9.0	8.0	112%	9.3	8.0	116%	3.3%
o-Xylene	< 0.2 U	4.3	4.0	108%	4.4	4.0	110%	2.3%
1,2-Dichlorobenzene	< 0.2 U	4.2	4.0	105%	4.5	4.0	112%	6.9%
1,3-Dichlorobenzene	< 0.2 U	4.1	4.0	102%	4.4	4.0	110%	7.1%
1,4-Dichlorobenzene	< 0.2 U	4.0	4.0	100%	4.3	4.0	108%	7.2%
Acrolein	< 5.0 U	23.5	20.0	118%	25.5	20.0	128%	8.2%
Methyl Iodide	< 0.2 U	4.0	4.0	100%	4.4	4.0	110%	9.5%
Bromoethane	< 0.2 U	4.6	4.0	115%	4.7	4.0	118%	2.2%
Acrylonitrile	< 1.0 U	4.5	4.0	112%	4.8	4.0	120%	6.5%
1,1-Dichloropropene	< 0.2 U	4.2	4.0	105%	4.4	4.0	110%	4.7%
Dibromomethane	< 0.2 U	4.4	4.0	110%	4.7	4.0	118%	6.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW-111**
 MATRIX SPIKE

Lab Sample ID: IZ30H QC Report No: IZ30-Landau Associates
LIMS ID: 06-1149 Project: Port of Anacortes
Matrix: Water 529009

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
1,1,1,2-Tetrachloroethane	< 0.2 U	4.1	4.0	102%	4.3	4.0	108%	4.8%
1,2-Dibromo-3-chloropropane	< 2.0 U	3.7	4.0	92.5%	3.7	4.0	92.5%	0.0%
1,2,3-Trichloropropane	< 0.5 U	4.3	4.0	108%	4.4	4.0	110%	2.3%
trans-1,4-Dichloro-2-butene	< 1.0 U	4.0	4.0	100%	4.3	4.0	108%	7.2%
1,3,5-Trimethylbenzene	< 0.2 U	4.3	4.0	108%	4.6	4.0	115%	6.7%
1,2,4-Trimethylbenzene	< 0.2 U	4.4	4.0	110%	4.7	4.0	118%	6.6%
Hexachlorobutadiene	< 0.5 U	3.9	4.0	97.5%	4.2	4.0	105%	7.4%
Ethylene Dibromide	< 0.2 U	4.5	4.0	112%	4.8	4.0	120%	6.5%
Bromochloromethane	< 0.2 U	4.3	4.0	108%	4.6	4.0	115%	6.7%
2,2-Dichloropropane	< 0.2 U	4.0	4.0	100%	4.1	4.0	102%	2.5%
1,3-Dichloropropane	< 0.2 U	4.1	4.0	102%	4.4	4.0	110%	7.1%
Isopropylbenzene	< 0.2 U	4.3	4.0	108%	4.6	4.0	115%	6.7%
n-Propylbenzene	< 0.2 U	4.7	4.0	118%	5.1	4.0	128%	8.2%
Bromobenzene	< 0.2 U	4.1	4.0	102%	4.4	4.0	110%	7.1%
2-Chlorotoluene	< 0.2 U	3.7	4.0	92.5%	4.5	4.0	112%	19.5%
4-Chlorotoluene	< 0.2 U	4.3	4.0	108%	4.6	4.0	115%	6.7%
tert-Butylbenzene	< 0.2 U	4.2	4.0	105%	4.5	4.0	112%	6.9%
sec-Butylbenzene	< 0.2 U	4.6	4.0	115%	4.9	4.0	122%	6.3%
4-Isopropyltoluene	< 0.2 U	4.3	4.0	108%	4.6	4.0	115%	6.7%
n-Butylbenzene	< 0.2 U	4.6	4.0	115%	4.8	4.0	120%	4.3%
1,2,4-Trichlorobenzene	< 0.5 U	4.0	4.0	100%	4.3	4.0	108%	7.2%
Naphthalene	< 0.5 U	3.8	4.0	95.0%	4.3	4.0	108%	12.3%
1,2,3-Trichlorobenzene	< 0.5 U	3.8	4.0	95.0%	4.3	4.0	108%	12.3%

Reported in µg/L (ppb)

NA-No recovery due to high concentration of analyte in original sample, calculated negative recovery, or undetected spike.
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-013106**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-013106 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1149 Project: Port of Anacortes
Matrix: Water 529009
Data Release Authorized: Date Sampled: NA
Reported: 02/07/06 Date Received: NA

Instrument/Analyst LCS: FINN3/PAB Sample Amount LCS: 20.0 mL
LCSD: FINN3/PAB LCSD: 20.0 mL
Date Analyzed LCS: 01/31/06 11:01 Purge Volume LCS: 20.0 mL
LCSD: 01/31/06 11:37 LCSD: 20.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	3.4	4.0	85.0%	3.6	4.0	90.0%	5.7%
Bromomethane	2.4	4.0	60.0%	2.8	4.0	70.0%	15.4%
Chloroethane	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Methylene Chloride	3.5	4.0	87.5%	3.8	4.0	95.0%	8.2%
Acetone	19.5	20.0	97.5%	21.3	20.0	106%	8.8%
Carbon Disulfide	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
1,1-Dichloroethene	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
1,1-Dichloroethane	3.8	4.0	95.0%	4.1	4.0	102%	7.6%
trans-1,2-Dichloroethene	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
cis-1,2-Dichloroethene	3.4	4.0	85.0%	3.8	4.0	95.0%	11.1%
Chloroform	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
1,2-Dichloroethane	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
2-Butanone	18.6	20.0	93.0%	18.0	20.0	90.0%	3.3%
1,1,1-Trichloroethane	3.4	4.0	85.0%	3.7	4.0	92.5%	8.5%
Carbon Tetrachloride	3.4	4.0	85.0%	3.7	4.0	92.5%	8.5%
Vinyl Acetate	3.5	4.0	87.5%	3.5	4.0	87.5%	0.0%
Bromodichloromethane	3.4	4.0	85.0%	3.7	4.0	92.5%	8.5%
1,2-Dichloropropane	3.6	4.0	90.0%	3.7	4.0	92.5%	2.7%
cis-1,3-Dichloropropene	3.1	4.0	77.5%	3.2	4.0	80.0%	3.2%
Trichloroethene	3.5	4.0	87.5%	3.8	4.0	95.0%	8.2%
Dibromochloromethane	3.4	4.0	85.0%	3.4	4.0	85.0%	0.0%
1,1,2-Trichloroethane	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
Benzene	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
trans-1,3-Dichloropropene	3.0	4.0	75.0%	3.1	4.0	77.5%	3.3%
2-Chloroethylvinylether	3.4	4.0	85.0%	3.6	4.0	90.0%	5.7%
Bromoform	3.2	4.0	80.0%	3.4	4.0	85.0%	6.1%
4-Methyl-2-Pentanone (MIBK)	18.5	20.0	92.5%	18.4	20.0	92.0%	0.5%
2-Hexanone	18.0	20.0	90.0%	17.6	20.0	88.0%	2.2%
Tetrachloroethene	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
1,1,2,2-Tetrachloroethane	3.5	4.0	87.5%	3.6	4.0	90.0%	2.8%
Toluene	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
Chlorobenzene	3.6	4.0	90.0%	3.9	4.0	97.5%	8.0%
Ethylbenzene	4.0	4.0	100%	4.2	4.0	105%	4.9%
Styrene	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
Trichlorofluoromethane	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,1,2-Trichloro-1,2,2-trifluoroetha	3.6	4.0	90.0%	3.9	4.0	97.5%	8.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-013106**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-013106 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1149 Project: Port of Anacortes
Matrix: Water 529009

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
m,p-Xylene	7.8	8.0	97.5%	8.1	8.0	101%	3.8%
o-Xylene	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,2-Dichlorobenzene	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,3-Dichlorobenzene	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,4-Dichlorobenzene	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Acrolein	20.3	20.0	102%	19.4	20.0	97.0%	4.5%
Methyl Iodide	3.1	4.0	77.5%	3.5	4.0	87.5%	12.1%
Bromoethane	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
Acrylonitrile	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
1,1-Dichloropropene	3.4	4.0	85.0%	3.6	4.0	90.0%	5.7%
Dibromomethane	3.6	4.0	90.0%	3.6	4.0	90.0%	0.0%
1,1,1,2-Tetrachloroethane	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
1,2-Dibromo-3-chloropropane	3.2	4.0	80.0%	3.4	4.0	85.0%	6.1%
1,2,3-Trichloropropane	3.6	4.0	90.0%	3.7	4.0	92.5%	2.7%
trans-1,4-Dichloro-2-butene	3.5	4.0	87.5%	3.5	4.0	87.5%	0.0%
1,3,5-Trimethylbenzene	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
1,2,4-Trimethylbenzene	3.7	4.0	92.5%	4.1	4.0	102%	10.3%
Hexachlorobutadiene	3.3	4.0	82.5%	3.6	4.0	90.0%	8.7%
Ethylene Dibromide	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
Bromochloromethane	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
2,2-Dichloropropane	3.2	4.0	80.0%	3.8	4.0	95.0%	17.1%
1,3-Dichloropropane	3.6	4.0	90.0%	3.7	4.0	92.5%	2.7%
Isopropylbenzene	3.7	4.0	92.5%	4.1	4.0	102%	10.3%
n-Propylbenzene	4.0	4.0	100%	4.4	4.0	110%	9.5%
Bromobenzene	3.5	4.0	87.5%	3.8	4.0	95.0%	8.2%
2-Chlorotoluene	3.1	4.0	77.5%	3.4	4.0	85.0%	9.2%
4-Chlorotoluene	3.6	4.0	90.0%	3.9	4.0	97.5%	8.0%
tert-Butylbenzene	3.6	4.0	90.0%	3.9	4.0	97.5%	8.0%
sec-Butylbenzene	3.9	4.0	97.5%	4.3	4.0	108%	9.8%
4-Isopropyltoluene	3.8	4.0	95.0%	4.1	4.0	102%	7.6%
n-Butylbenzene	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
1,2,4-Trichlorobenzene	3.3	4.0	82.5%	3.6	4.0	90.0%	8.7%
Naphthalene	3.2	4.0	80.0%	3.4	4.0	85.0%	6.1%
1,2,3-Trichlorobenzene	3.2	4.0	80.0%	3.4	4.0	85.0%	6.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	86.2%	94.5%
d8-Toluene	93.8%	99.5%
Bromofluorobenzene	85.2%	91.2%
d4-1,2-Dichlorobenzene	87.0%	90.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-020106**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-020106
LIMS ID: 06-1150
Matrix: Water
Data Release Authorized:
Reported: 02/07/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN3/PAB
LCSD: FINN3/PAB
Date Analyzed LCS: 02/01/06 11:01
LCSD: 02/01/06 11:38

Sample Amount LCS: 20.0 mL
LCSD: 20.0 mL
Purge Volume LCS: 20.0 mL
LCSD: 20.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	3.4	4.0	85.0%	3.5	4.0	87.5%	2.9%
Bromomethane	1.9	4.0	47.5%	1.9	4.0	47.5%	0.0%
Chloroethane	3.5	4.0	87.5%	3.8	4.0	95.0%	8.2%
Methylene Chloride	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
Acetone	19.1	20.0	95.5%	20.6	20.0	103%	7.6%
Carbon Disulfide	4.1	4.0	102%	4.4	4.0	110%	7.1%
1,1-Dichloroethene	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
1,1-Dichloroethane	3.9	4.0	97.5%	4.2	4.0	105%	7.4%
trans-1,2-Dichloroethene	3.9	4.0	97.5%	4.1	4.0	102%	5.0%
cis-1,2-Dichloroethene	3.4	4.0	85.0%	3.8	4.0	95.0%	11.1%
Chloroform	3.6	4.0	90.0%	3.7	4.0	92.5%	2.7%
1,2-Dichloroethane	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
2-Butanone	18.1	20.0	90.5%	18.3	20.0	91.5%	1.1%
1,1,1-Trichloroethane	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
Carbon Tetrachloride	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Vinyl Acetate	3.5	4.0	87.5%	3.6	4.0	90.0%	2.8%
Bromodichloromethane	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,2-Dichloropropane	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
cis-1,3-Dichloropropene	3.2	4.0	80.0%	3.3	4.0	82.5%	3.1%
Trichloroethene	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
Dibromochloromethane	3.3	4.0	82.5%	3.3	4.0	82.5%	0.0%
1,1,2-Trichloroethane	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
Benzene	3.9	4.0	97.5%	4.2	4.0	105%	7.4%
trans-1,3-Dichloropropene	3.1	4.0	77.5%	3.3	4.0	82.5%	6.2%
2-Chloroethylvinylether	3.2	4.0	80.0%	3.7	4.0	92.5%	14.5%
Bromoform	3.1	4.0	77.5%	3.4	4.0	85.0%	9.2%
4-Methyl-2-Pentanone (MIBK)	17.3	20.0	86.5%	19.0	20.0	95.0%	9.4%
2-Hexanone	17.0	20.0	85.0%	18.0	20.0	90.0%	5.7%
Tetrachloroethene	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
1,1,2,2-Tetrachloroethane	3.3	4.0	82.5%	3.6	4.0	90.0%	8.7%
Toluene	3.8	4.0	95.0%	4.1	4.0	102%	7.6%
Chlorobenzene	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
Ethylbenzene	4.0	4.0	100%	4.2	4.0	105%	4.9%
Styrene	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
Trichlorofluoromethane	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,1,2-Trichloro-1,2,2-trifluoroetha	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-020106**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-020106 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1150 Project: Port of Anacortes
Matrix: Water 529009

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
m,p-Xylene	7.8	8.0	97.5%	8.2	8.0	102%	5.0%
o-Xylene	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,2-Dichlorobenzene	3.5	4.0	87.5%	3.8	4.0	95.0%	8.2%
1,3-Dichlorobenzene	3.5	4.0	87.5%	3.9	4.0	97.5%	10.8%
1,4-Dichlorobenzene	3.4	4.0	85.0%	3.7	4.0	92.5%	8.5%
Acrolein	19.1	20.0	95.5%	18.8	20.0	94.0%	1.6%
Methyl Iodide	2.5	4.0	62.5%	2.8	4.0	70.0%	11.3%
Bromoethane	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
Acrylonitrile	3.6	4.0	90.0%	3.6	4.0	90.0%	0.0%
1,1-Dichloropropene	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Dibromomethane	3.4	4.0	85.0%	3.8	4.0	95.0%	11.1%
1,1,1,2-Tetrachloroethane	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,2-Dibromo-3-chloropropane	3.0	4.0	75.0%	3.1	4.0	77.5%	3.3%
1,2,3-Trichloropropane	3.5	4.0	87.5%	3.8	4.0	95.0%	8.2%
trans-1,4-Dichloro-2-butene	3.2	4.0	80.0%	3.5	4.0	87.5%	9.0%
1,3,5-Trimethylbenzene	3.7	4.0	92.5%	4.1	4.0	102%	10.3%
1,2,4-Trimethylbenzene	3.8	4.0	95.0%	4.1	4.0	102%	7.6%
Hexachlorobutadiene	3.4	4.0	85.0%	3.7	4.0	92.5%	8.5%
Ethylene Dibromide	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
Bromochloromethane	3.6	4.0	90.0%	3.6	4.0	90.0%	0.0%
2,2-Dichloropropane	3.2	4.0	80.0%	3.7	4.0	92.5%	14.5%
1,3-Dichloropropane	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Isopropylbenzene	3.7	4.0	92.5%	4.2	4.0	105%	12.7%
n-Propylbenzene	4.1	4.0	102%	4.6	4.0	115%	11.5%
Bromobenzene	3.4	4.0	85.0%	3.8	4.0	95.0%	11.1%
2-Chlorotoluene	3.2	4.0	80.0%	3.5	4.0	87.5%	9.0%
4-Chlorotoluene	3.6	4.0	90.0%	3.9	4.0	97.5%	8.0%
tert-Butylbenzene	3.6	4.0	90.0%	4.0	4.0	100%	10.5%
sec-Butylbenzene	3.9	4.0	97.5%	4.3	4.0	108%	9.8%
4-Isopropyltoluene	3.7	4.0	92.5%	4.1	4.0	102%	10.3%
n-Butylbenzene	3.9	4.0	97.5%	4.2	4.0	105%	7.4%
1,2,4-Trichlorobenzene	3.4	4.0	85.0%	3.6	4.0	90.0%	5.7%
Naphthalene	3.2	4.0	80.0%	3.4	4.0	85.0%	6.1%
1,2,3-Trichlorobenzene	3.2	4.0	80.0%	3.5	4.0	87.5%	9.0%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	92.0%	92.8%
d8-Toluene	93.8%	102%
Bromofluorobenzene	85.5%	89.0%
d4-1,2-Dichlorobenzene	85.8%	91.5%

ANALYTICAL RESOURCES INCORPORATED

WATER VOLATILE SYSTEM MONITORING COMPOUND SUMMARY

Matrix: Water (Low Level) QC Report No: IZ30

Lab ID	Client ID	DCE	TOL	BFB	DCB	TOT OUT
IZ30A	MW-102	111%	112%	96.5%	107%	0
IZ30B	MW-104	116%	116%	101%	108%	0
IZ30C	MW-113	114%	112%	97.2%	106%	0
IZ30D	MW-108	106%	105%	87.0%	99.8%	0
IZ30E	MW-112	107%	116%	98.5%	112%	0
IZ30F	MW-107	120%	113%	97.5%	105%	0
IZ30G	MW-110	116%	118%	99.2%	106%	0
013106MB	Method Blank	89.5%	95.2%	80.8%	90.2%	0
IZ30LCS	Lab Control	86.2%	93.8%	85.2%	87.0%	0
IZ30LCD	LCDuplicate	94.5%	99.5%	91.2%	90.8%	0
IZ30H	MW-111	110%	110%	92.2%	104%	0
IZ30HMS	MW-111	112%	113%	102%	99.5%	0
IZ30HMSD	MW-111	121%	119%	106%	107%	0
020106MB	Method Blank	92.5%	95.0%	79.2%	87.5%	0
IZ30LCS	Lab Control	92.0%	93.8%	85.5%	85.8%	0
IZ30LCD	LCDuplicate	92.8%	102%	89.0%	91.5%	0
IZ30I	MW-103	110%	113%	95.5%	106%	0
IZ30J	MW-109	115%	110%	92.0%	106%	0
IZ30K	MW-101	99.5%	100%	82.0%	90.5%	0
IZ30L	MW-105	97.0%	103%	85.5%	93.0%	0
IZ30M	MW-106	101%	99.8%	81.8%	91.5%	0
IZ30N	Trip Blank	109%	119%	98.0%	107%	0

SW8260B	LCS/MB LIMITS	QC LIMITS
(DCE) = 1,2-Dichloroethane-d4	(68-126)	(62-138)
(TOL) = Toluene-d8	(59-121)	(66-124)
(BFB) = Bromofluorobenzene	(62-117)	(60-111)
(DCB) = 1,2-Dichlorobenzene-d4	(77-122)	(77-127)

\# Column to be used to flag recovery values

* Values outside of required QC limits

D System Monitoring Compound diluted out

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MB-013006**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-013006
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 12:25

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	89.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-102**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30A
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 13:30

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-104**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30B
LIMS ID: 06-1143
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 13:56

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	114%

0050

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-113**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 14:22

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	121%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-108**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 14:48

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	114%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-112**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30E
LIMS ID: 06-1146
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 15:14

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	120%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-107**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 15:39

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	113%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-110**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 16:06

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	111%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-111**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 16:32

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	114%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-111**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 19:37

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-111**
Page 1 of 1 **MATRIX SPIKE DUP**

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 20:03

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-103**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30I
LIMS ID: 06-1150
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 16:58

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	112%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-109**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30J
LIMS ID: 06-1151
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 17:25

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-101**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30K
LIMS ID: 06-1152
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 17:51

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	114%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-105**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30L
LIMS ID: 06-1153
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 18:17

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	116%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-106**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30M
LIMS ID: 06-1154
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 18:44

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: Trip Blank**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30N
LIMS ID: 06-1155
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/10/06
Date Received: 01/25/06

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/30/06 19:10

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: MW-111**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Instrument/Analyst MS: NT5/PAB
MSD: NT5/PAB
Date Analyzed MS: 01/30/06 19:37
MSD: 01/30/06 20:03

Sample Amount MS: 10.0 mL
MSD: 10.0 mL
Purge Volume MS: 10.0 mL
MSD: 10.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Vinyl Chloride	< 0.020 U	0.506	0.500	101%	0.533	0.500	107%	5.2%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260 SIM **Sample ID: LCS-013006**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-013006 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1149 Project: Port of Anacortes
Matrix: Water 529009
Data Release Authorized: Date Sampled: NA
Reported: 02/06/06 Date Received: NA

Instrument/Analyst LCS: NT5/PAB Sample Amount LCS: 10.0 mL
LCSD: NT5/PAB LCSD: 10.0 mL
Date Analyzed LCS: 01/30/06 11:32 Purge Volume LCS: 10.0 mL
LCSD: 01/30/06 11:59 LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	0.515	0.500	103%	0.526	0.500	105%	2.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

SW8260-SIM SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

Client ID	DCE	TOT OUT
MW-102	99.5%	0
MW-104	114%	0
MW-113	121%	0
MW-108	114%	0
MW-112	120%	0
MW-107	113%	0
MW-110	111%	0
MB-013006	89.4%	0
LCS-013006	97.2%	0
LCSD-013006	110%	0
MW-111	114%	0
MW-111-MS	96.2%	0
MW-111-MSD	107%	0
MW-103	112%	0
MW-109	104%	0
MW-101	114%	0
MW-105	116%	0
MW-106	105%	0
Trip Blank	110%	0

	LCS/MB LIMITS	QC LIMITS
(DCE) = d4-1,2-Dichloroethane	(70-130)	(70-130)

Prep Method: SW5030
Log Number Range: 06-1142 to 06-1155

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: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-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: IZ30-Landau Associates
LIMS ID: 06-1142 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-102
SAMPLE

Lab Sample ID: IZ30A
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 21:58
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-102**
 SAMPLE

Lab Sample ID: IZ30A QC Report No: IZ30-Landau Associates
LIMS ID: 06-1142 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 21:58

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	77.2%	2-Fluorobiphenyl	56.4%
d14-p-Terphenyl	44.8%	d4-1,2-Dichlorobenzene	40.8%
d5-Phenol	56.0%	2-Fluorophenol	58.9%
2,4,6-Tribromophenol	70.4%	d4-2-Chlorophenol	64.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MW-104
SAMPLE

Lab Sample ID: IZ30B
LIMS ID: 06-1143
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 22:32
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-104**
 SAMPLE

Lab Sample ID: IZ30B QC Report No: IZ30-Landau Associates
LIMS ID: 06-1143 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 22:32

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	88.0%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	67.6%	d4-1,2-Dichlorobenzene	54.4%
d5-Phenol	70.9%	2-Fluorophenol	70.7%
2,4,6-Tribromophenol	86.4%	d4-2-Chlorophenol	75.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MW-113
SAMPLE

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 23:06
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

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MW-113
SAMPLE

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Date Analyzed: 02/02/06 23:06

QC Report No: IZ30-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**	**1.5**
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	81.2%	2-Fluorobiphenyl	60.4%
d14-p-Terphenyl	52.8%	d4-1,2-Dichlorobenzene	44.4%
d5-Phenol	64.8%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	77.1%	d4-2-Chlorophenol	70.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-108**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/27/06
Date Analyzed: 02/02/06 23:40
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-108**
 SAMPLE

Lab Sample ID: IZ30D QC Report No: IZ30-Landau Associates
LIMS ID: 06-1145 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/02/06 23:40

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**	**6.0**
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	76.0%	2-Fluorobiphenyl	61.6%
d14-p-Terphenyl	53.6%	d4-1,2-Dichlorobenzene	46.8%
d5-Phenol	60.0%	2-Fluorophenol	59.5%
2,4,6-Tribromophenol	72.0%	d4-2-Chlorophenol	64.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MW-112
SAMPLE

Lab Sample ID: IZ30E
LIMS ID: 06-1146
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/27/06
Date Analyzed: 02/03/06 00:14
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-112**
 SAMPLE

Lab Sample ID: IZ30E QC Report No: IZ30-Landau Associates
LIMS ID: 06-1146 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/03/06 00:14

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**	**1.4**
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	72.8%
d14-p-Terphenyl	77.2%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	71.2%	2-Fluorophenol	71.5%
2,4,6-Tribromophenol	85.9%	d4-2-Chlorophenol	76.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MW-107
SAMPLE

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/27/06
Date Analyzed: 02/03/06 00:48
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-107
SAMPLE

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Date Analyzed: 02/03/06 00:48

QC Report No: IZ30-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	83.2%	2-Fluorobiphenyl	64.8%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	52.4%
d5-Phenol	66.7%	2-Fluorophenol	68.0%
2,4,6-Tribromophenol	74.7%	d4-2-Chlorophenol	70.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: MW-110**
Page 1 of 2 **SAMPLE**

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/27/06
Date Analyzed: 02/03/06 01:22
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-110**
 SAMPLE

Lab Sample ID: IZ30G QC Report No: IZ30-Landau Associates
LIMS ID: 06-1148 Project: Port of Anacortes
Matrix: Water 529009
Date Analyzed: 02/03/06 01:22

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**	**1.4**
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	78.4%	2-Fluorobiphenyl	65.2%
d14-p-Terphenyl	41.2%	d4-1,2-Dichlorobenzene	46.0%
d5-Phenol	60.3%	2-Fluorophenol	60.0%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	65.6%

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: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

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: IZ30-Landau Associates
LIMS ID: 06-1142 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: IZ30-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-102	77.2%	56.4%	44.8%	40.8%	56.0%	58.9%	70.4%	64.8%	0
MW-104	88.0%	69.6%	67.6%	54.4%	70.9%	70.7%	86.4%	75.2%	0
MW-113	81.2%	60.4%	52.8%	44.4%	64.8%	66.7%	77.1%	70.9%	0
MW-108	76.0%	61.6%	53.6%	46.8%	60.0%	59.5%	72.0%	64.5%	0
MW-112	88.8%	72.8%	77.2%	57.6%	71.2%	71.5%	85.9%	76.0%	0
MW-107	83.2%	64.8%	64.0%	52.4%	66.7%	68.0%	74.7%	70.9%	0
MW-110	78.4%	65.2%	41.2%	46.0%	60.3%	60.0%	72.5%	65.6%	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: 06-1142 to 06-1148

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: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-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 **Sample ID: MB-013006**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-013006 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1146 Project: Port of Anacortes
Matrix: Water Event: 529009
Data Release Authorized: Date Sampled: NA
Reported: 02/03/06 Date Received: NA

Date Extracted: 01/30/06 Sample Amount: 500 mL
Date Analyzed: 02/02/06 15:02 Final Extract Volume: 0.5 mL
Instrument/Analyst: NT2/VTS 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	62.0%
d14-Dibenzo(a,h)anthracen	79.7%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-102
SAMPLE

Lab Sample ID: IZ30A
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 12:41
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	44.3%
d14-Dibenzo(a,h)anthracen	57.3%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-104
SAMPLE

Lab Sample ID: IZ30B
LIMS ID: 06-1143
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 13:05
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	50.0%
d14-Dibenzo(a,h)anthracen	64.3%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-113
SAMPLE

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 13:28
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	60.7%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-108
SAMPLE

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized: 
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 13:52
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	52.7%
d14-Dibenzo(a,h)anthracen	49.7%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-112
SAMPLE

Lab Sample ID: IZ30E
LIMS ID: 06-1146
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/30/06
Date Analyzed: 02/02/06 15:49
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	64.7%
d14-Dibenzo(a,h)anthracen	71.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by LVI SW8270D-SIM GC/MS **Sample ID: MW-107**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 14:15
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	55.3%
d14-Dibenzo(a,h)anthracen	71.0%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-110
SAMPLE

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 14:38
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**	**0.025**
205-99-2	**Benzo(b)fluoranthene**	**0.010**	**0.012**
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	29.7%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-110
DILUTION

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 02/02/06 16:46
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	57.5%
d14-Dibenzo(a,h)anthracen	31.9%

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: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-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

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

Sample ID: LCS-013006
LAB CONTROL SAMPLE

Lab Sample ID: LCS-013006
LIMS ID: 06-1146
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: NA
Date Received: NA

Date Extracted LCS/LCSD: 01/30/06
Date Analyzed LCS: 02/02/06 15:25
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	0.17	0.30	56.7%

Reported in µg/L (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	69.3%
d14-Dibenzo(a,h)anthracen	76.7%

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ30-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-102	44.3%	57.3%	0
MW-104	50.0%	64.3%	0
MW-113	56.3%	60.7%	0
MW-108	52.7%	49.7%	0
MB-013006	62.0%	79.7%	0
LCS-013006	69.3%	76.7%	0
MW-112	64.7%	71.3%	0
MW-107	55.3%	71.0%	0
MW-110	58.7%	29.7%	0
MW-110 DL	57.5%	31.9%	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: 06-1142 to 06-1148

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS
Page 1 of 1

Sample ID: MB-013006
METHOD BLANK

Lab Sample ID: MB-013006
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Date Extracted: 01/30/06
Date Analyzed: 02/07/06 17:19
Instrument/Analyst: NT4/VTS

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

CAS Number	Analyte	RL	Result
127-27-5	Pimaric Acid	2.0	< 2.0 U
471-74-9	Sandaracopimaric Acid	2.0	< 2.0 U
5835-26-7	Isopimaric Acid	2.0	< 2.0 U
1945-53-5	Palustric Acid	2.0	< 2.0 U
1740-19-8	Dehydroabietic Acid	2.0	< 2.0 U
514-10-3	Abietic Acid	2.0	< 2.0 U
471-77-2	Neoabietic Acid	2.0	< 2.0 U
	14-Chlorodehydroabietic Acid	2.0	< 2.0 U
	12-Chlorodehydroabietic Acid	2.0	< 2.0 U
57055-39-7	Dichlorodehydroabietic Acid	2.0	< 2.0 U

Reported in µg/L (ppb)

Resin Acid Surrogate Recovery

O-Methyl Podocarpic Acid	79.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS
Page 1 of 1

Sample ID: MW-102
SAMPLE

Lab Sample ID: IZ30A
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/30/06
Date Analyzed: 02/07/06 20:43
Instrument/Analyst: NT4/VTS

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

CAS Number	Analyte	RL	Result
127-27-5	Pimaric Acid	2.0	< 2.0 U
471-74-9	Sandaracopimaric Acid	2.0	< 2.0 U
5835-26-7	Isopimaric Acid	2.0	< 2.0 U
1945-53-5	Palustric Acid	2.0	< 2.0 U
1740-19-8	Dehydroabietic Acid	2.0	< 2.0 U
514-10-3	Abietic Acid	2.0	< 2.0 U
471-77-2	Neoabietic Acid	2.0	< 2.0 U
	14-Chlorodehydroabietic Acid	2.0	< 2.0 U
	12-Chlorodehydroabietic Acid	2.0	< 2.0 U
57055-39-7	Dichlorodehydroabietic Acid	2.0	< 2.0 U

Reported in µg/L (ppb)

Resin Acid Surrogate Recovery

O-Methyl Podocarpic Acid	64.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS
Page 1 of 1

Sample ID: MW-104
SAMPLE

Lab Sample ID: IZ30B
LIMS ID: 06-1143
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/30/06
Date Analyzed: 02/07/06 20:58
Instrument/Analyst: NT4/VTS

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

CAS Number	Analyte	RL	Result
127-27-5	Pimaric Acid	2.0	< 2.0 U
471-74-9	Sandaracopimaric Acid	2.0	< 2.0 U
5835-26-7	Isopimaric Acid	2.0	< 2.0 U
1945-53-5	Palustric Acid	2.0	< 2.0 U
1740-19-8	Dehydroabietic Acid	2.0	< 2.0 U
514-10-3	Abietic Acid	2.0	< 2.0 U
471-77-2	Neoabietic Acid	2.0	< 2.0 U
	14-Chlorodehydroabietic Acid	2.0	< 2.0 U
	12-Chlorodehydroabietic Acid	2.0	< 2.0 U
57055-39-7	Dichlorodehydroabietic Acid	2.0	< 2.0 U

Reported in µg/L (ppb)

Resin Acid Surrogate Recovery

O-Methyl Podocarpic Acid	72.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS
Page 1 of 1

Sample ID: MW-113
SAMPLE

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/30/06
Date Analyzed: 02/07/06 21:14
Instrument/Analyst: NT4/VTS

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

CAS Number	Analyte	RL	Result
127-27-5	Pimaric Acid	2.0	< 2.0 U
471-74-9	Sandaracopimaric Acid	2.0	< 2.0 U
5835-26-7	Isopimaric Acid	2.0	< 2.0 U
1945-53-5	Palustric Acid	2.0	< 2.0 U
1740-19-8	Dehydroabietic Acid	2.0	< 2.0 U
514-10-3	Abietic Acid	2.0	< 2.0 U
471-77-2	Neoabietic Acid	2.0	< 2.0 U
	14-Chlorodehydroabietic Acid	2.0	< 2.0 U
	12-Chlorodehydroabietic Acid	2.0	< 2.0 U
57055-39-7	Dichlorodehydroabietic Acid	2.0	< 2.0 U

Reported in µg/L (ppb)

Resin Acid Surrogate Recovery

O-Methyl Podocarpic Acid	68.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS **Sample ID: MW-108**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/30/06
Date Analyzed: 02/08/06 10:24
Instrument/Analyst: NT4/VTS

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

CAS Number	Analyte	RL	Result
127-27-5	Pimaric Acid	2.0	< 2.0 U
471-74-9	Sandaracopimaric Acid	2.0	< 2.0 U
5835-26-7	Isopimaric Acid	2.0	< 2.0 U
1945-53-5	Palustric Acid	2.0	< 2.0 U
1740-19-8	Dehydroabietic Acid	2.0	< 2.0 U
514-10-3	Abietic Acid	2.0	< 2.0 U
471-77-2	Neoabietic Acid	2.0	< 2.0 U
	14-Chlorodehydroabietic Acid	2.0	< 2.0 U
	12-Chlorodehydroabietic Acid	2.0	< 2.0 U
57055-39-7	Dichlorodehydroabietic Acid	2.0	< 2.0 U

Reported in µg/L (ppb)

Resin Acid Surrogate Recovery

O-Methyl Podocarpic Acid	64.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS
Page 1 of 1

Sample ID: MW-112
SAMPLE

Lab Sample ID: IZ30E
LIMS ID: 06-1146
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/30/06
Date Analyzed: 02/07/06 21:45
Instrument/Analyst: NT4/VTS

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

CAS Number	Analyte	RL	Result
127-27-5	Pimaric Acid	2.0	< 2.0 U
471-74-9	Sandaracopimaric Acid	2.0	< 2.0 U
5835-26-7	Isopimaric Acid	2.0	< 2.0 U
1945-53-5	Palustric Acid	2.0	< 2.0 U
1740-19-8	Dehydroabietic Acid	2.0	< 2.0 U
514-10-3	Abietic Acid	2.0	< 2.0 U
471-77-2	Neoabietic Acid	2.0	< 2.0 U
	14-Chlorodehydroabietic Acid	2.0	< 2.0 U
	12-Chlorodehydroabietic Acid	2.0	< 2.0 U
57055-39-7	Dichlorodehydroabietic Acid	2.0	< 2.0 U

Reported in µg/L (ppb)

Resin Acid Surrogate Recovery

O-Methyl Podocarpic Acid	64.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS
Page 1 of 1

Sample ID: MW-107
SAMPLE

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/30/06
Date Analyzed: 02/07/06 22:01
Instrument/Analyst: NT4/VTS

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

CAS Number	Analyte	RL	Result
127-27-5	Pimaric Acid	2.0	< 2.0 U
471-74-9	Sandaracopimaric Acid	2.0	< 2.0 U
5835-26-7	Isopimaric Acid	2.0	< 2.0 U
1945-53-5	Palustric Acid	2.0	< 2.0 U
1740-19-8	Dehydroabietic Acid	2.0	< 2.0 U
514-10-3	Abietic Acid	2.0	< 2.0 U
471-77-2	Neoabietic Acid	2.0	< 2.0 U
	14-Chlorodehydroabietic Acid	2.0	< 2.0 U
	12-Chlorodehydroabietic Acid	2.0	< 2.0 U
57055-39-7	Dichlorodehydroabietic Acid	2.0	< 2.0 U

Reported in µg/L (ppb)

Resin Acid Surrogate Recovery

O-Methyl Podocarpic Acid	68.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS **Sample ID: MW-110**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/30/06
Date Analyzed: 02/08/06 10:39
Instrument/Analyst: NT4/VTS

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

CAS Number	Analyte	RL	Result
127-27-5	Pimaric Acid	2.0	< 2.0 U
471-74-9	Sandaracopimaric Acid	2.0	< 2.0 U
5835-26-7	Isopimaric Acid	2.0	< 2.0 U
1945-53-5	Palustric Acid	2.0	< 2.0 U
1740-19-8	Dehydroabietic Acid	2.0	< 2.0 U
514-10-3	Abietic Acid	2.0	< 2.0 U
471-77-2	Neoabietic Acid	2.0	< 2.0 U
	14-Chlorodehydroabietic Acid	2.0	< 2.0 U
	12-Chlorodehydroabietic Acid	2.0	< 2.0 U
57055-39-7	Dichlorodehydroabietic Acid	2.0	< 2.0 U

Reported in µg/L (ppb)

Resin Acid Surrogate Recovery

O-Methyl Podocarpic Acid	66.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Resin Acids by SW8270D GC/MS
Page 1 of 1

Sample ID: LCS-013006
LAB CONTROL SAMPLE

Lab Sample ID: LCS-013006
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/09/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Date Extracted LCS: 01/30/06
Date Analyzed LCS: 02/07/06 17:35
Instrument/Analyst LCS: NT4/VTS

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

Analyte	LCS	Spike Added	Recovery
Pimaric Acid	44.3	50.0	88.6%
Sandaracopimaric Acid	6.0	7.5	80.0%
Isopimaric Acid	19.2	25.0	76.8%
Dehydroabietic Acid	42.3	50.0	84.6%

Reported in µg/L (ppb)

NA-No recovery due to high concentration of analyte in original sample, calculated negative recovery, or undetected spike.

TBT Surrogate Recovery	
O-Methyl Podocarpic Acid	87.6%

ANALYTICAL RESOURCES INCORPORATED

SW8270 RESIN ACIDS WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

Client ID	MPA	TOT OUT
MB-013006	79.0%	0
LCS-013006	87.6%	0
MW-102	64.8%	0
MW-104	72.4%	0
MW-113	68.4%	0
MW-108	64.8%	0
MW-112	64.0%	0
MW-107	68.4%	0
MW-110	66.4%	0

	LCS/MB LIMITS	QC LIMITS
(MPA) = O-Methyl Podocarpic Acid	(30-160)	(30-150)

Prep Method: SW3520C
Log Number Range: 06-1142 to 06-1148

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Matrix: Water

Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

ARI ID	Client ID	Analysis Date	DL	Range	Result
MB-013106	Method Blank	01/31/06	1.0	Gasoline	< 0.25 U
06-1142		PID2		HC ID	---
				Trifluorotoluene	99.3%
				Bromobenzene	89.4%
IZ30A	MW-102	01/31/06	1.0	Gasoline	< 0.25 U
06-1142		PID2		HC ID	---
				Trifluorotoluene	104%
				Bromobenzene	94.4%
IZ30B	MW-104	01/31/06	1.0	Gasoline	< 0.25 U
06-1143		PID2		HC ID	---
				Trifluorotoluene	102%
				Bromobenzene	92.2%
IZ30C	MW-113	01/31/06	1.0	Gasoline	< 0.25 U
06-1144		PID2		HC ID	---
				Trifluorotoluene	102%
				Bromobenzene	94.4%
IZ30D	MW-108	01/31/06	1.0	Gasoline	< 0.25 U
06-1145		PID2		HC ID	---
				Trifluorotoluene	103%
				Bromobenzene	91.3%
IZ30E	MW-112	01/31/06	1.0	Gasoline	< 0.25 U
06-1146		PID2		HC ID	---
				Trifluorotoluene	103%
				Bromobenzene	94.5%
IZ30F	MW-107	01/31/06	1.0	Gasoline	< 0.25 U
06-1147		PID2		HC ID	---
				Trifluorotoluene	95.9%
				Bromobenzene	91.3%
IZ30G	MW-110	01/31/06	1.0	Gasoline	< 0.25 U
06-1148		PID2		HC ID	---
				Trifluorotoluene	102%
				Bromobenzene	93.2%
IZ30H	MW-111	01/31/06	1.0	Gasoline	< 0.25 U
06-1149		PID2		HC ID	---
				Trifluorotoluene	104%
				Bromobenzene	95.7%
IZ30I	MW-103	01/31/06	1.0	Gasoline	< 0.25 U
06-1150		PID2		HC ID	---
				Trifluorotoluene	103%
				Bromobenzene	96.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Matrix: Water

Data Release Authorized: GNS
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/25/06

ARI ID	Client ID	Analysis Date	DL	Range	Result
IZ30J	MW-109	01/31/06	1.0	Gasoline	< 0.25 U
06-1151		PID2		HC ID	---
				Trifluorotoluene	100%
				Bromobenzene	96.0%
IZ30K	MW-101	01/31/06	1.0	Gasoline	< 0.25 U
06-1152		PID2		HC ID	---
				Trifluorotoluene	99.2%
				Bromobenzene	99.5%
IZ30L	MW-105	01/31/06	1.0	Gasoline	< 0.25 U
06-1153		PID2		HC ID	---
				Trifluorotoluene	98.3%
				Bromobenzene	90.4%
IZ30M	MW-106	01/31/06	1.0	Gasoline	< 0.25 U
06-1154		PID2		HC ID	---
				Trifluorotoluene	106%
				Bromobenzene	99.0%
IZ30N	Trip Blank	01/31/06	1.0	Gasoline	< 0.25 U
06-1155		PID2		HC ID	---
				Trifluorotoluene	99.5%
				Bromobenzene	98.7%

Gasoline values reported in mg/L (ppm)

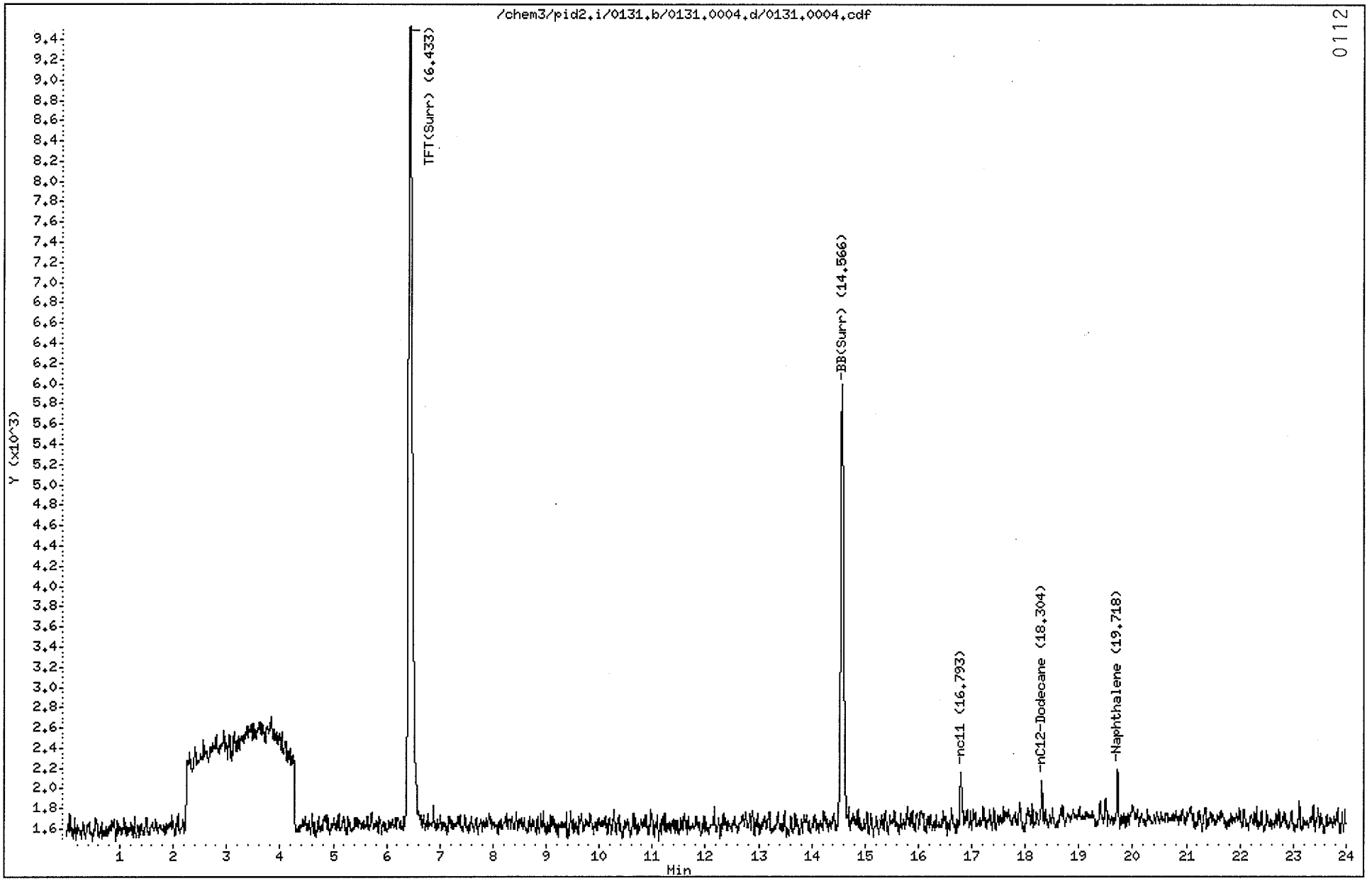
Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Data File: /chem3/pid2.i/0131.b/0131.0004.d
Date : 31-JAN-2006 10:55
Client ID:
Sample Info: MB013106W1

Instrument: pid2.i
Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID

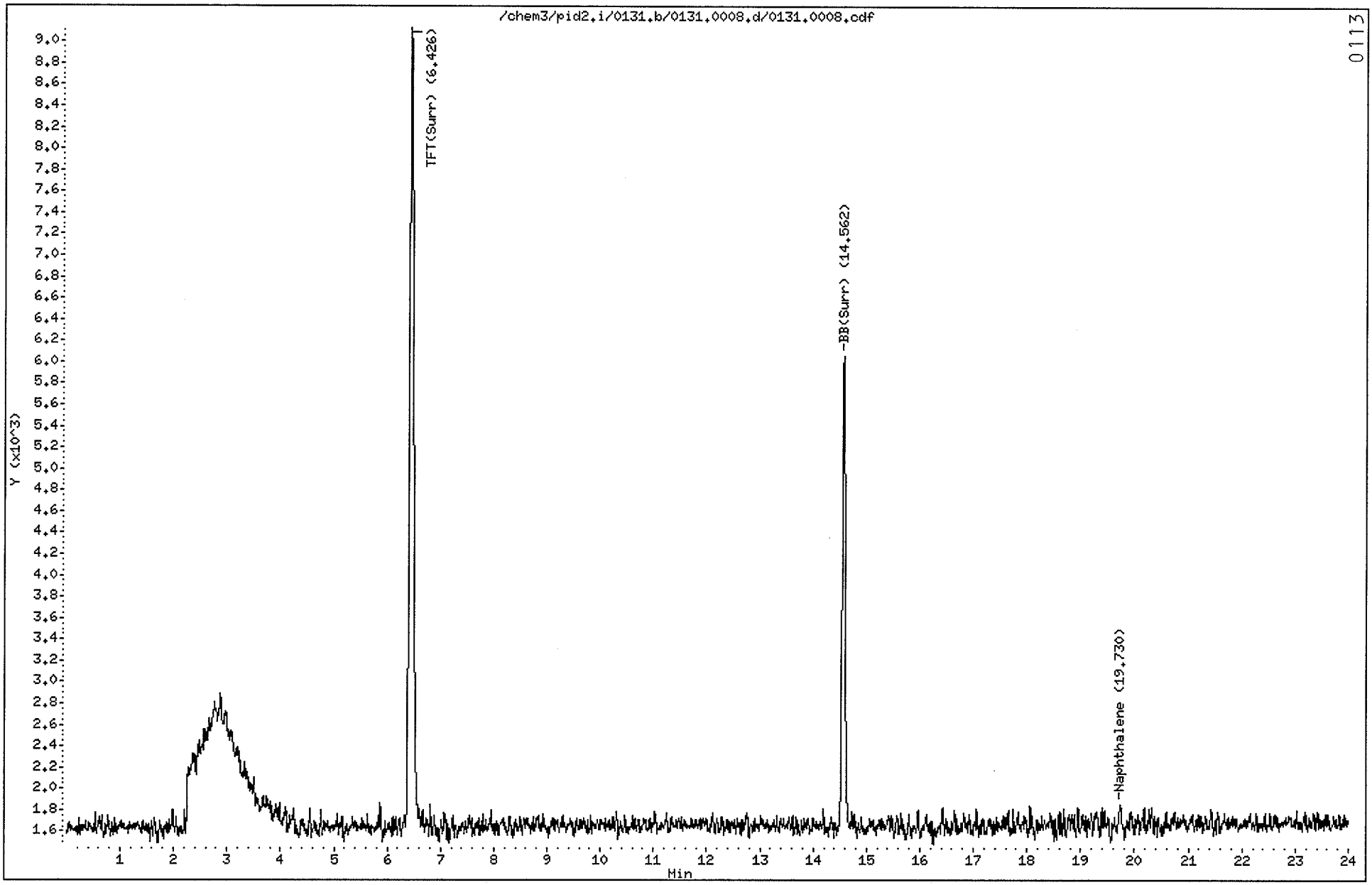


Data File: /chem3/pid2.i/0131.b/0131.0008.d
Date : 31-JAN-2006 13:13
Client ID: MW-102
Sample Info: IZ30A

Instrument: pid2.i

Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID

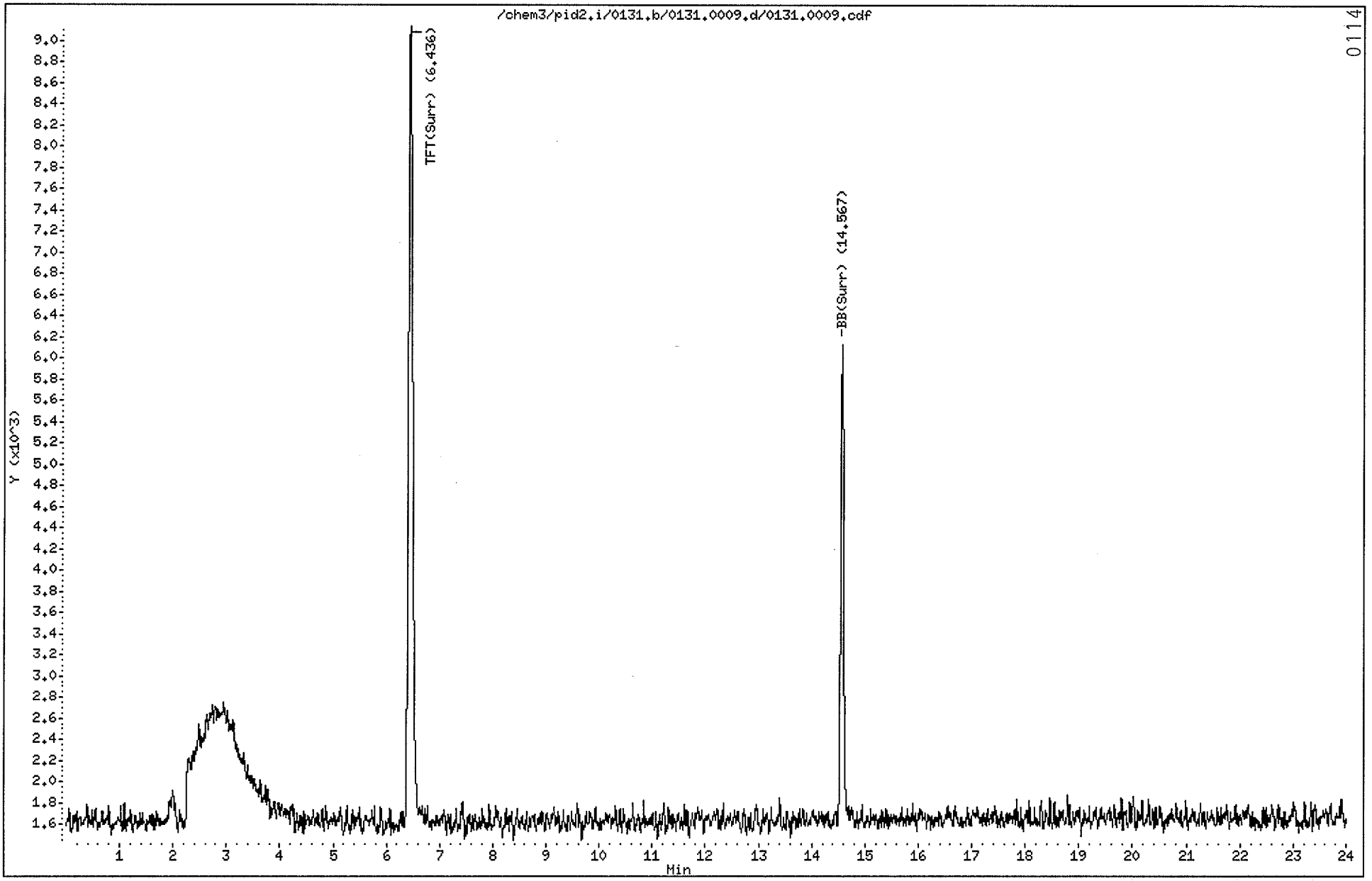


Data File: /chem3/pid2.i/0131.b/0131.0009.d
Date : 31-JAN-2006 13:42
Client ID: MW-104
Sample Info: IZ30B

Instrument: pid2.i

Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID



Data File: /chem3/pid2.i/0131.b/0131.0010.d

Date : 31-JAN-2006 14:12

Client ID: MW-113

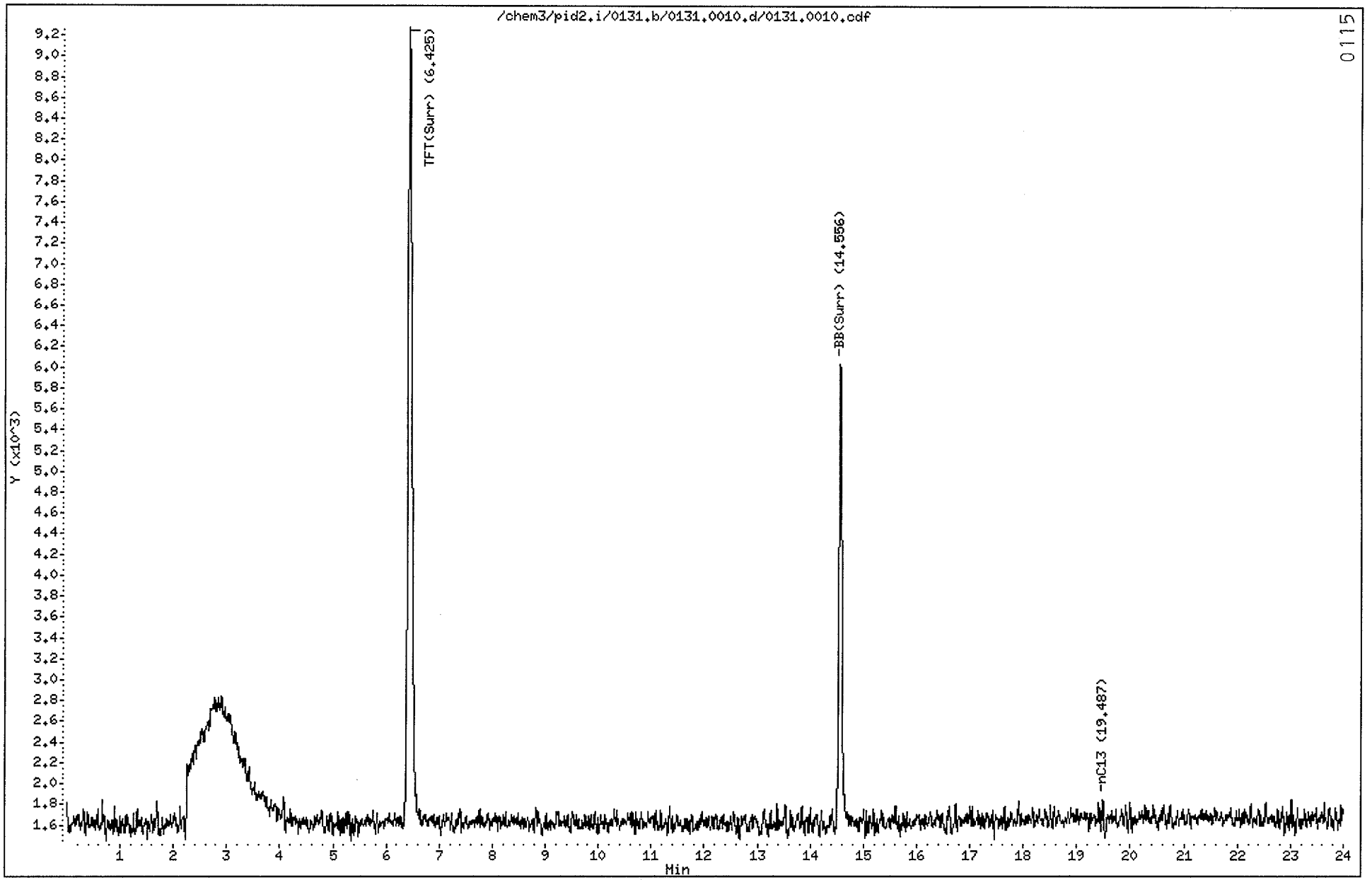
Sample Info: IZ30C

Column phase: RTX 502-2 FID

Instrument: pid2.i

Operator: PC

Column diameter: 0.18



Data File: /chem3/pid2.i/0131.b/0131.0011.d

Date : 31-JAN-2006 14:41

Client ID: MW-108

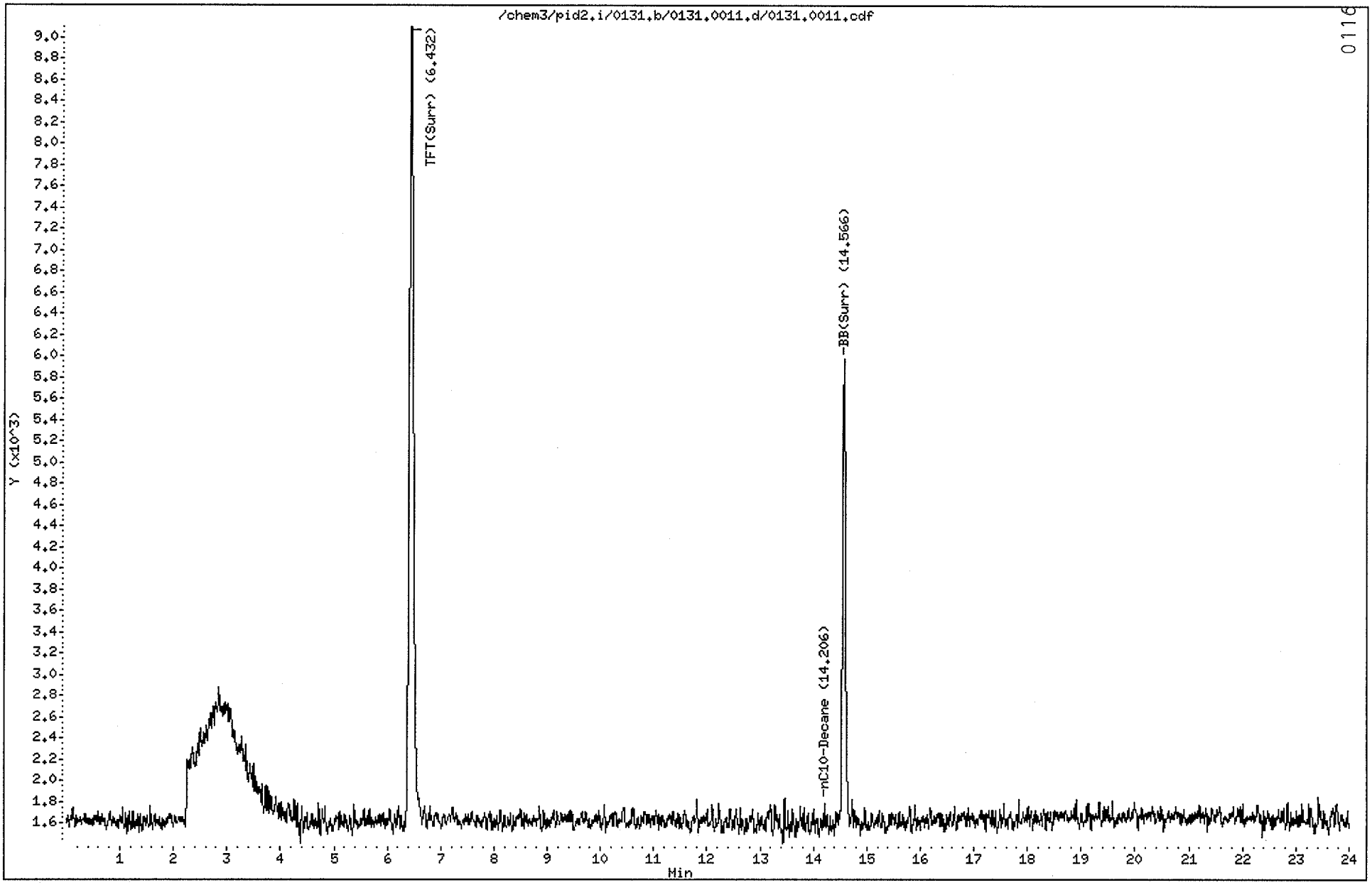
Sample Info: IZ30D

Instrument: pid2.i

Operator: PC

Column phase: RTX 502-2 FID

Column diameter: 0.18

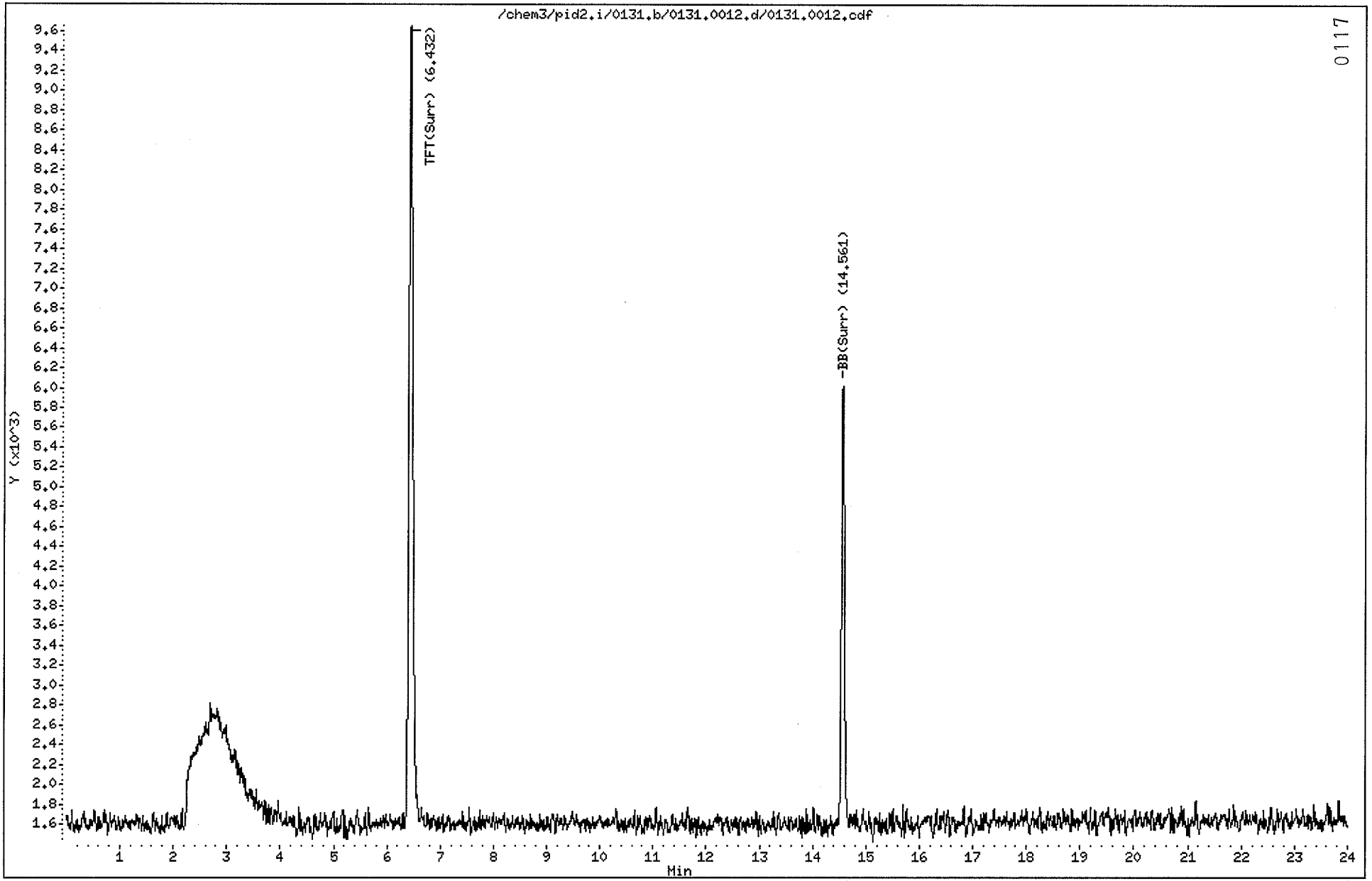


Data File: /chem3/pid2.i/0131.b/0131.0012.d
Date : 31-JAN-2006 15:10
Client ID: MW-112
Sample Info: IZ30E

Instrument: pid2.i

Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID



Data File: /chem3/pid2.i/0131.b/0131.0015.d

Date : 31-JAN-2006 16:39

Client ID: MW-107

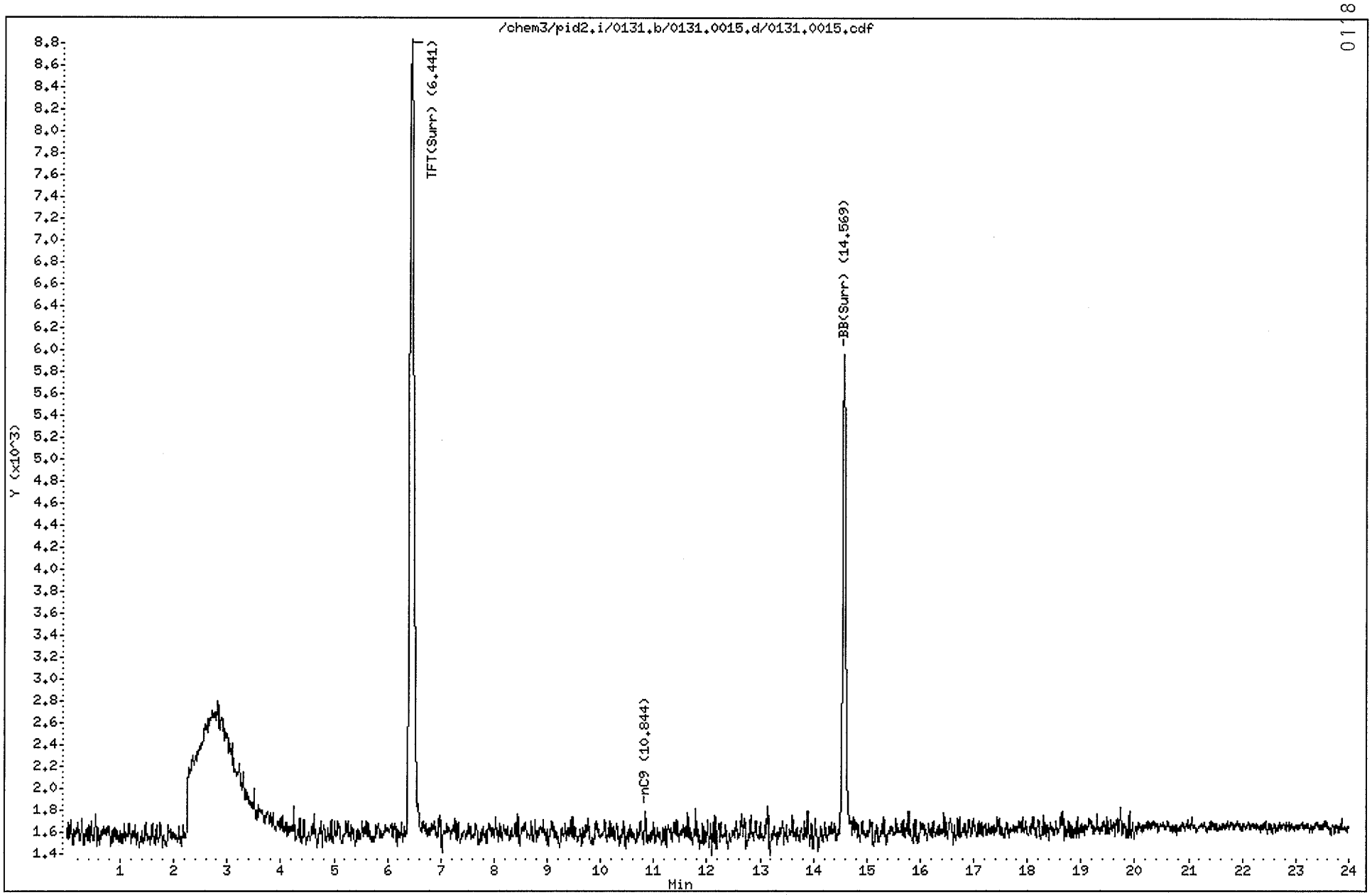
Sample Info: IZ30F

Column phase: RTX 502-2 FID

Instrument: pid2.i

Operator: PC

Column diameter: 0.18

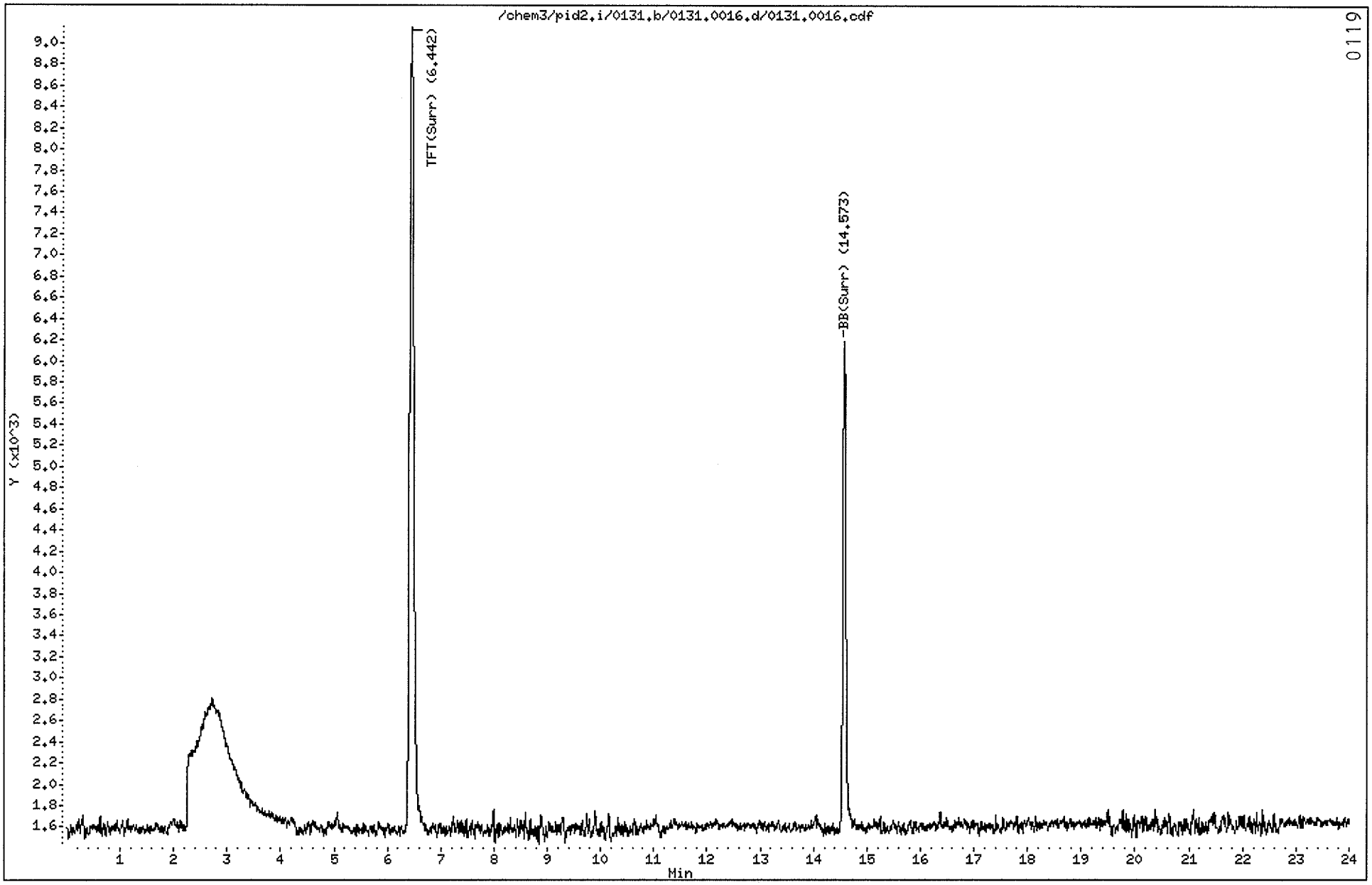


Data File: /chem3/pid2.i/0131.b/0131.0016.d
Date : 31-JAN-2006 17:08
Client ID: MW-110
Sample Info: IZ30G

Instrument: pid2.i

Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID

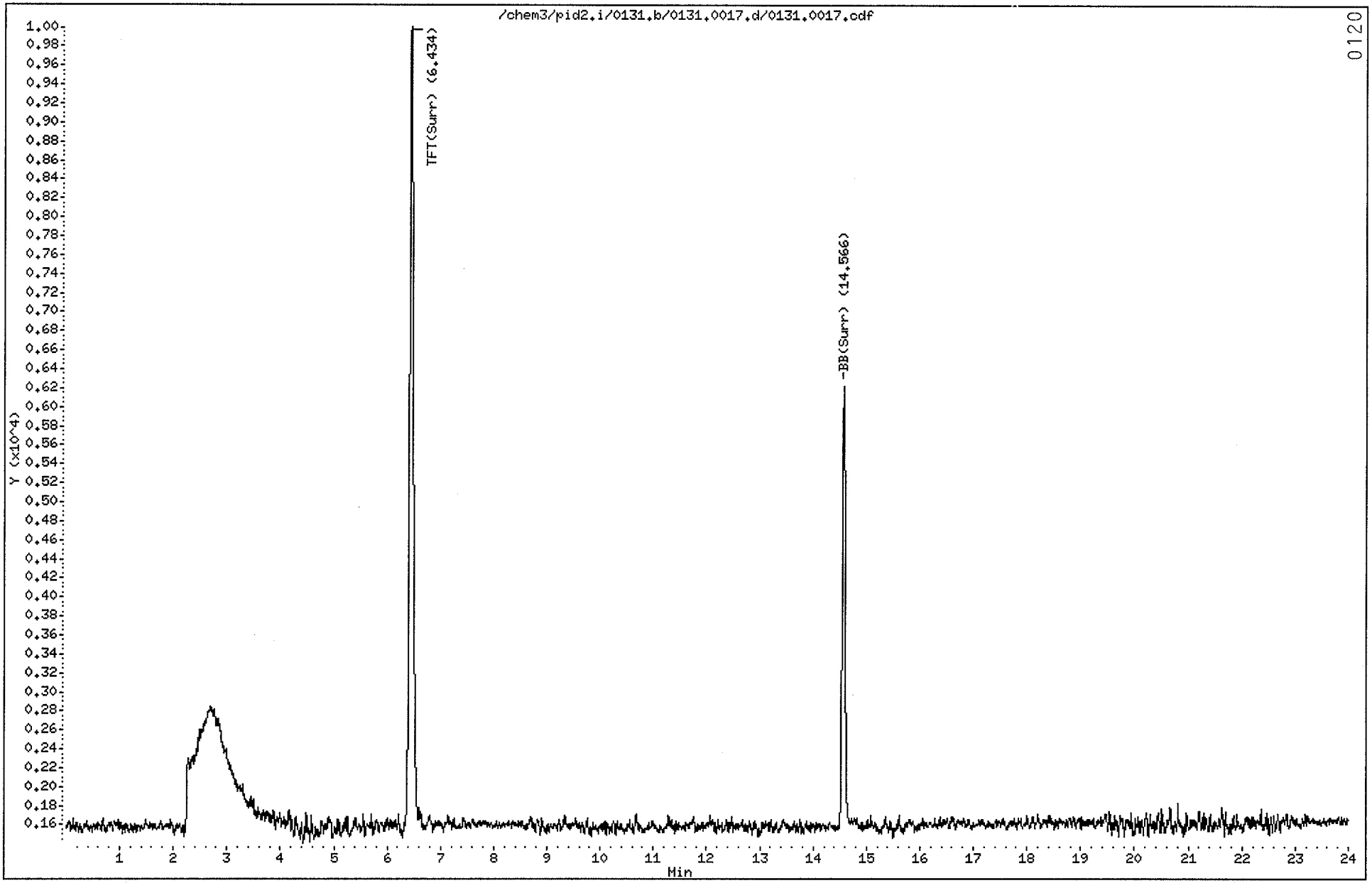


Data File: /chem3/pid2.i/0131.b/0131.0017.d
Date : 31-JAN-2006 17:38
Client ID: MW-111
Sample Info: IZ30H

Instrument: pid2.i

Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID

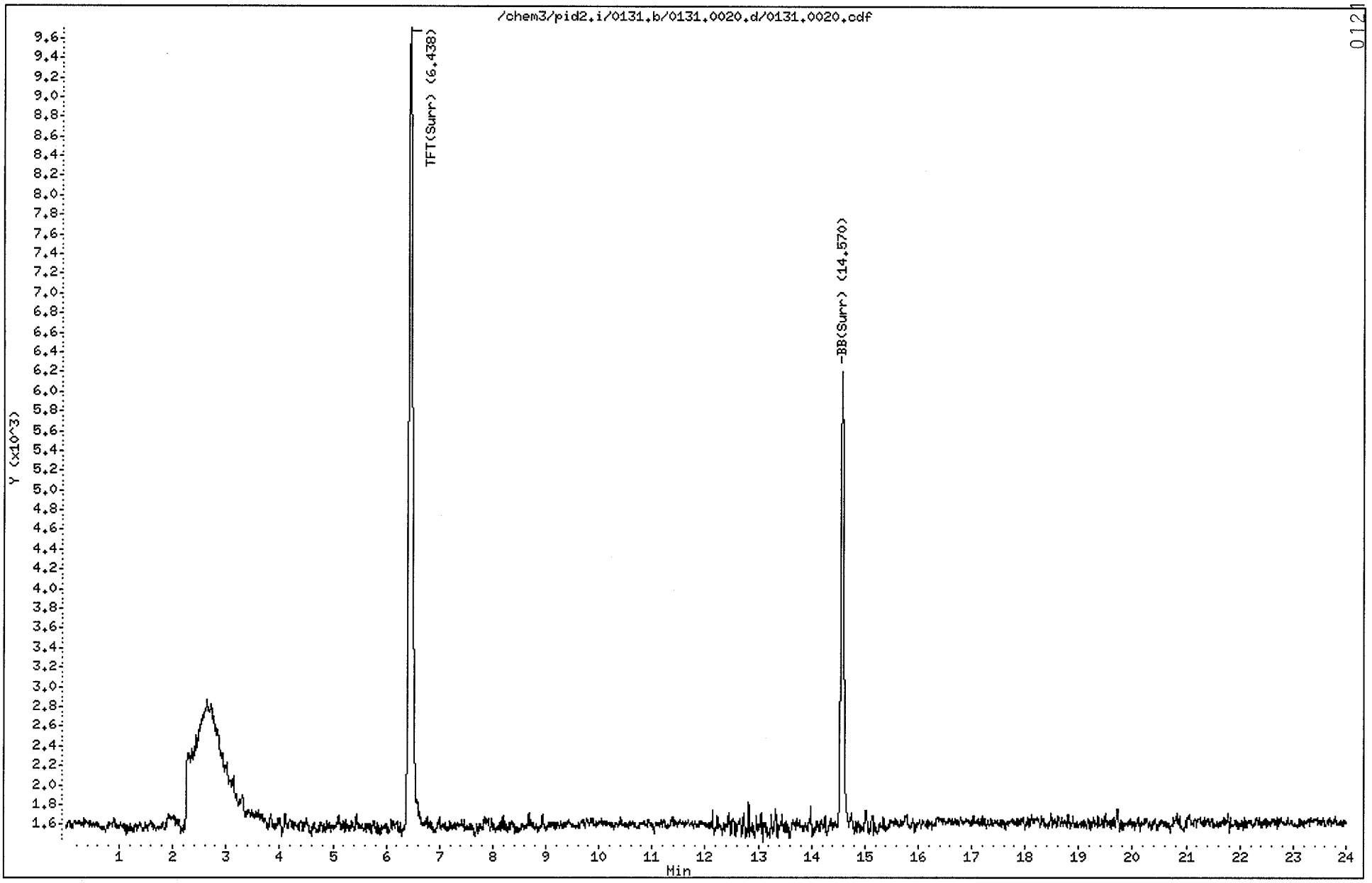


Data File: /chem3/pid2.i/0131.b/0131.0020.d
Date : 31-JAN-2006 19:06
Client ID: MW-103
Sample Info: IZ30I

Instrument: pid2.i

Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID



Data File: /chem3/pid2.i/0131.b/0131.0021.d

Date : 31-JAN-2006 19:36

Client ID: MW-109

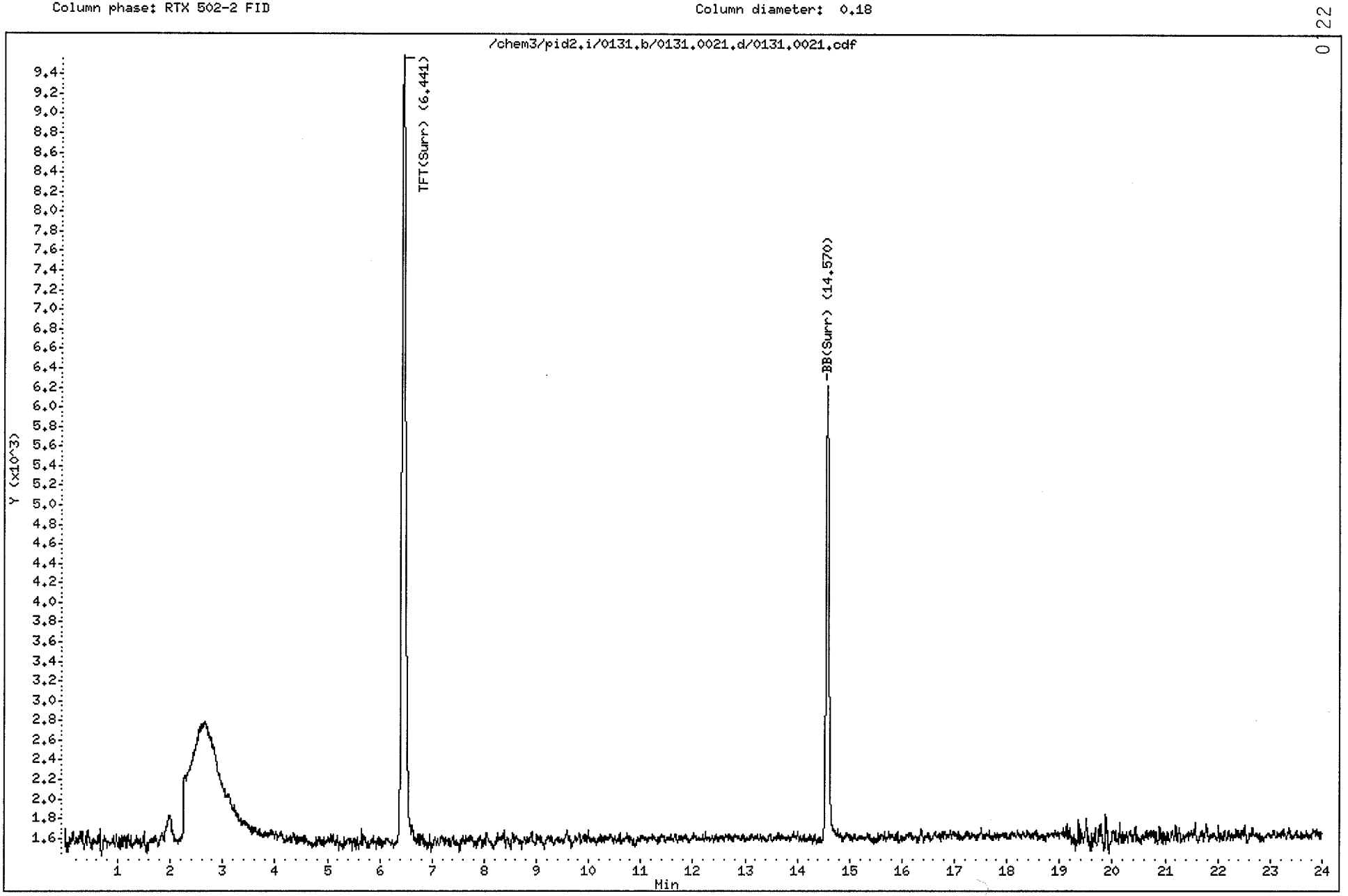
Sample Info: IZ30J

Column phase: RTX 502-2 FID

Instrument: pid2.i

Operator: PC

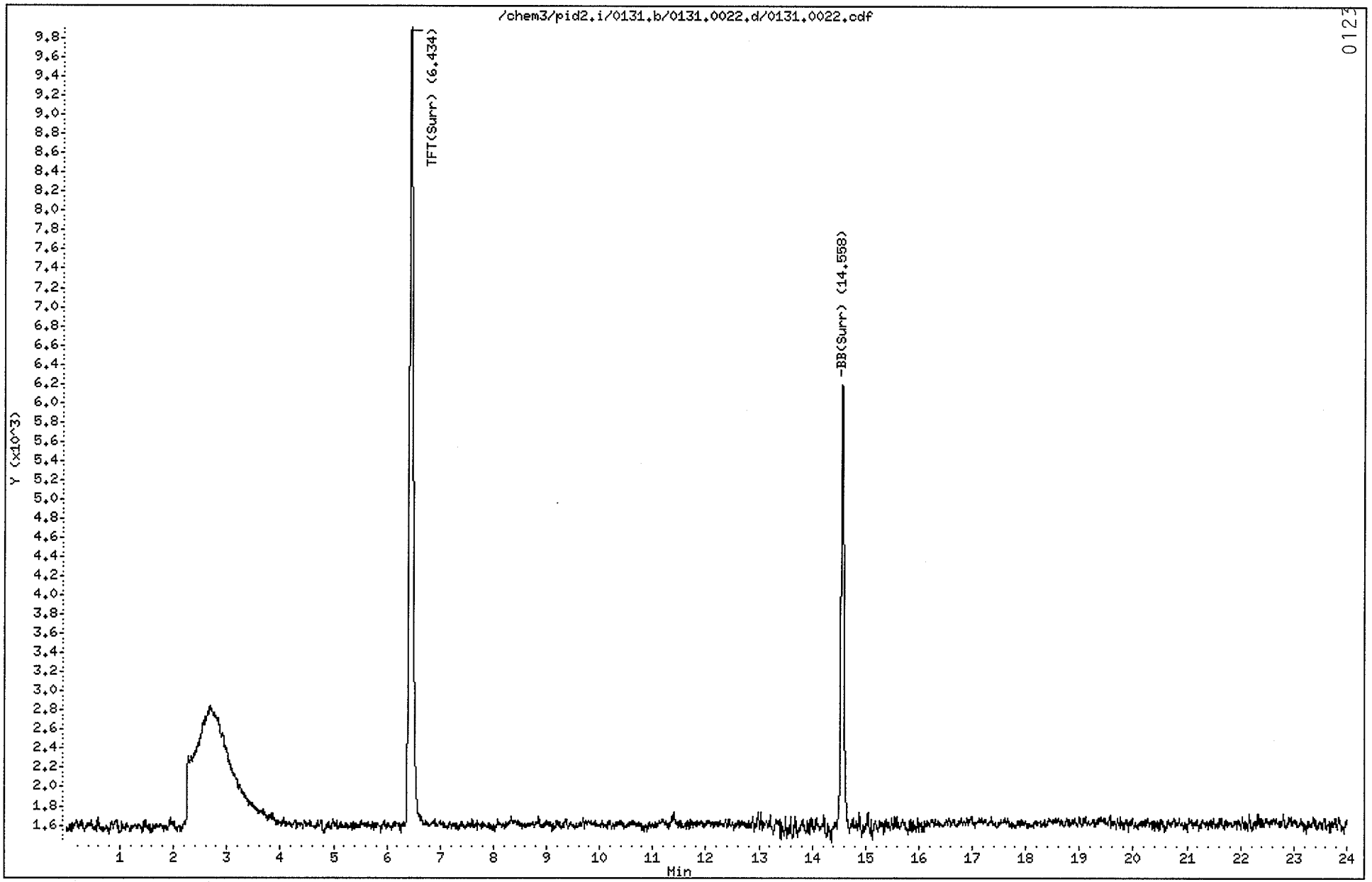
Column diameter: 0.18



Data File: /chem3/pid2.i/0131.b/0131.0022.d
Date : 31-JAN-2006 20:05
Client ID: MW-101
Sample Info: IZ30K

Instrument: pid2.i
Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID



Data File: /chem3/pid2.i/0131.b/0131.0023.d

Date : 31-JAN-2006 20:35

Client ID: MW-105

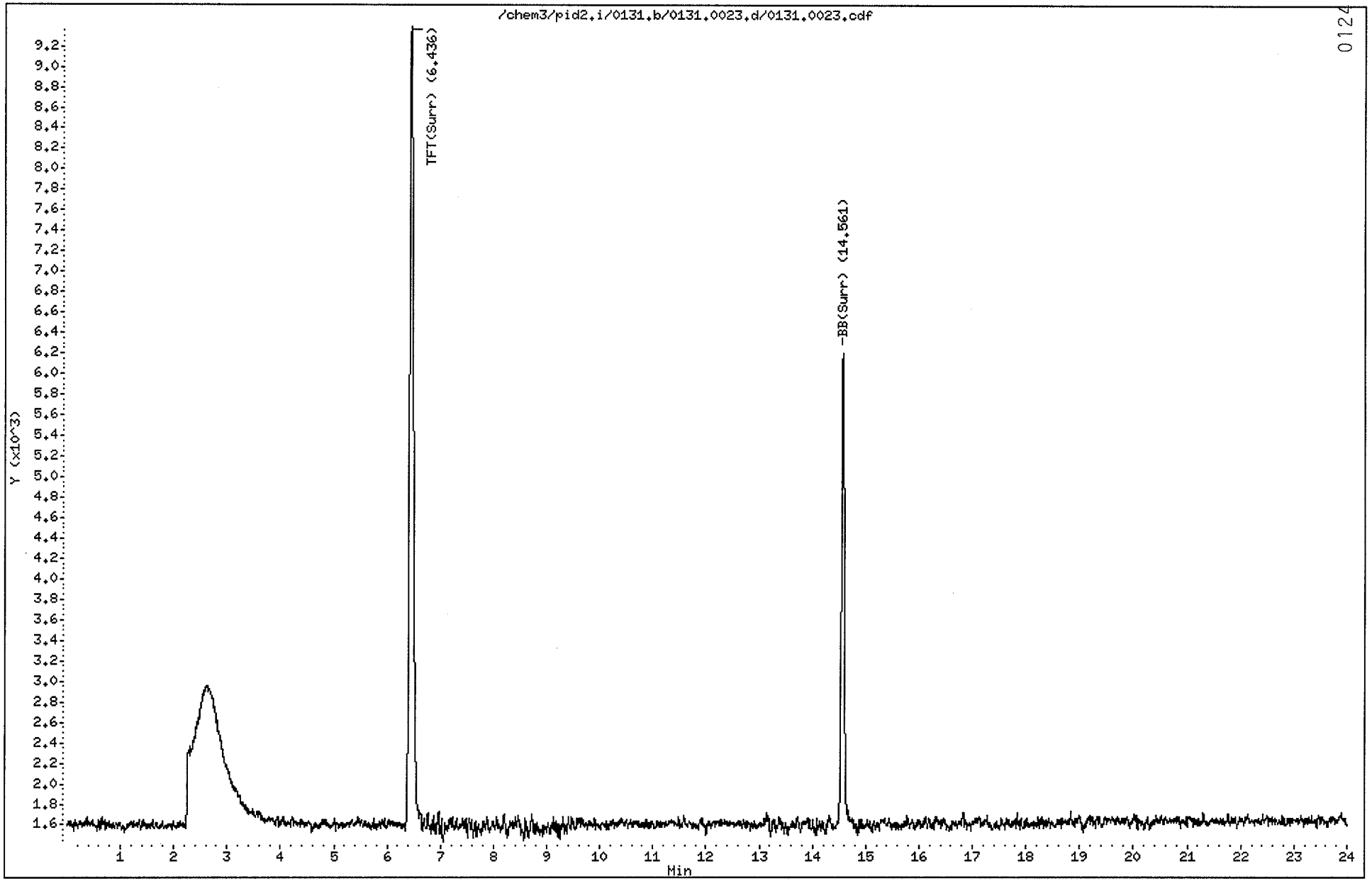
Sample Info: IZ30L

Column phase: RTX 502-2 FID

Instrument: pid2.i

Operator: PC

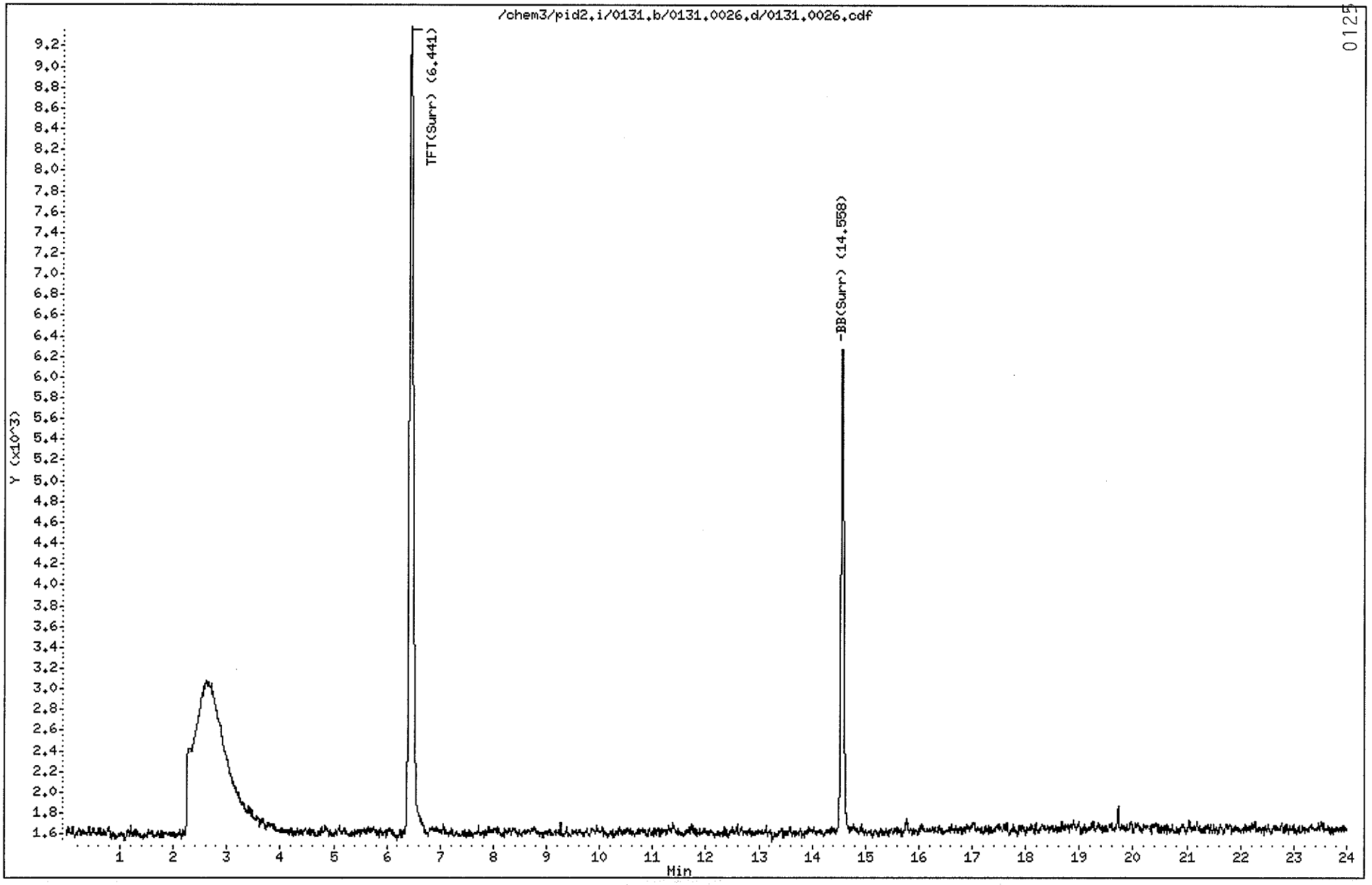
Column diameter: 0.18



Data File: /chem3/pid2.i/0131.b/0131.0026.d
Date : 31-JAN-2006 22:03
Client ID: MW-106
Sample Info: IZ30M

Instrument: pid2.i
Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID



Data File: /chem3/pid2.i/0131.b/0131.0007.d

Date : 31-JAN-2006 12:43

Client ID: Trip Blank

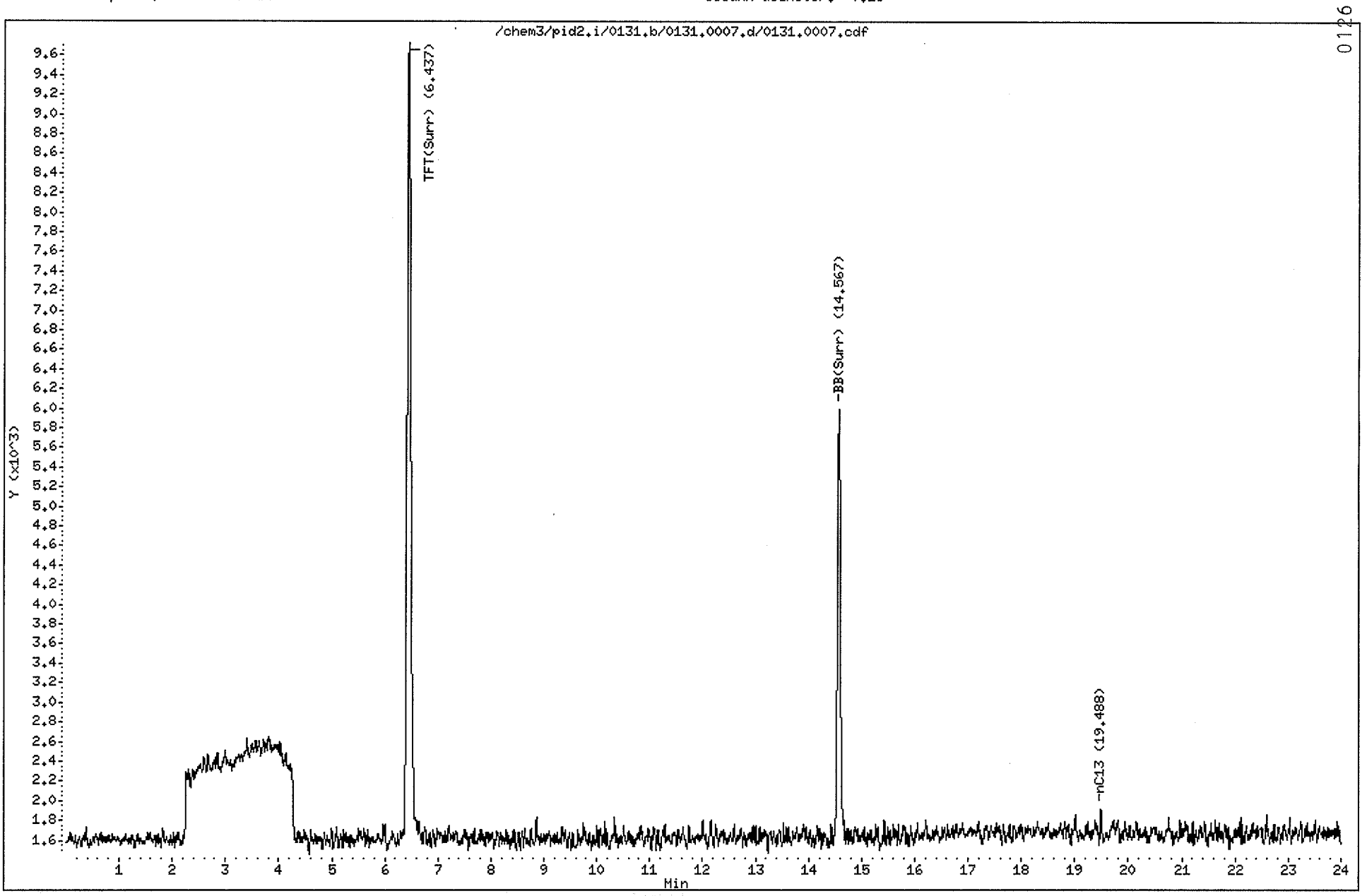
Sample Info: IZ30N

Column phase: RTX 502-2 FID

Instrument: pid2.i

Operator: PC

Column diameter: 0.18



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW-111
MATRIX SPIKE

Lab Sample ID: IZ30H
LIMS ID: 06-1149
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: 01/23/06
Date Received: 01/25/06

Date Analyzed MS: 01/31/06 18:07
MSD: 01/31/06 18:37
Instrument/Analyst MS: PID2/PKC
MSD: PID2/PKC

Purge Volume: 5.0 mL

Dilution Factor MS: 1.0 mL
MSD: 1.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Gasoline Range Hydrocarbons	< 0.25 U	0.98	1.00	98.0%	1.04	1.00	104%	5.9%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	MS	MSD
Trifluorotoluene	110%	111%
Bromobenzene	105%	105%

Data File: /chem3/pid2.i/0131.b/0131.0018.d

Date : 31-JAN-2006 18:07

Client ID: MW-111 MS

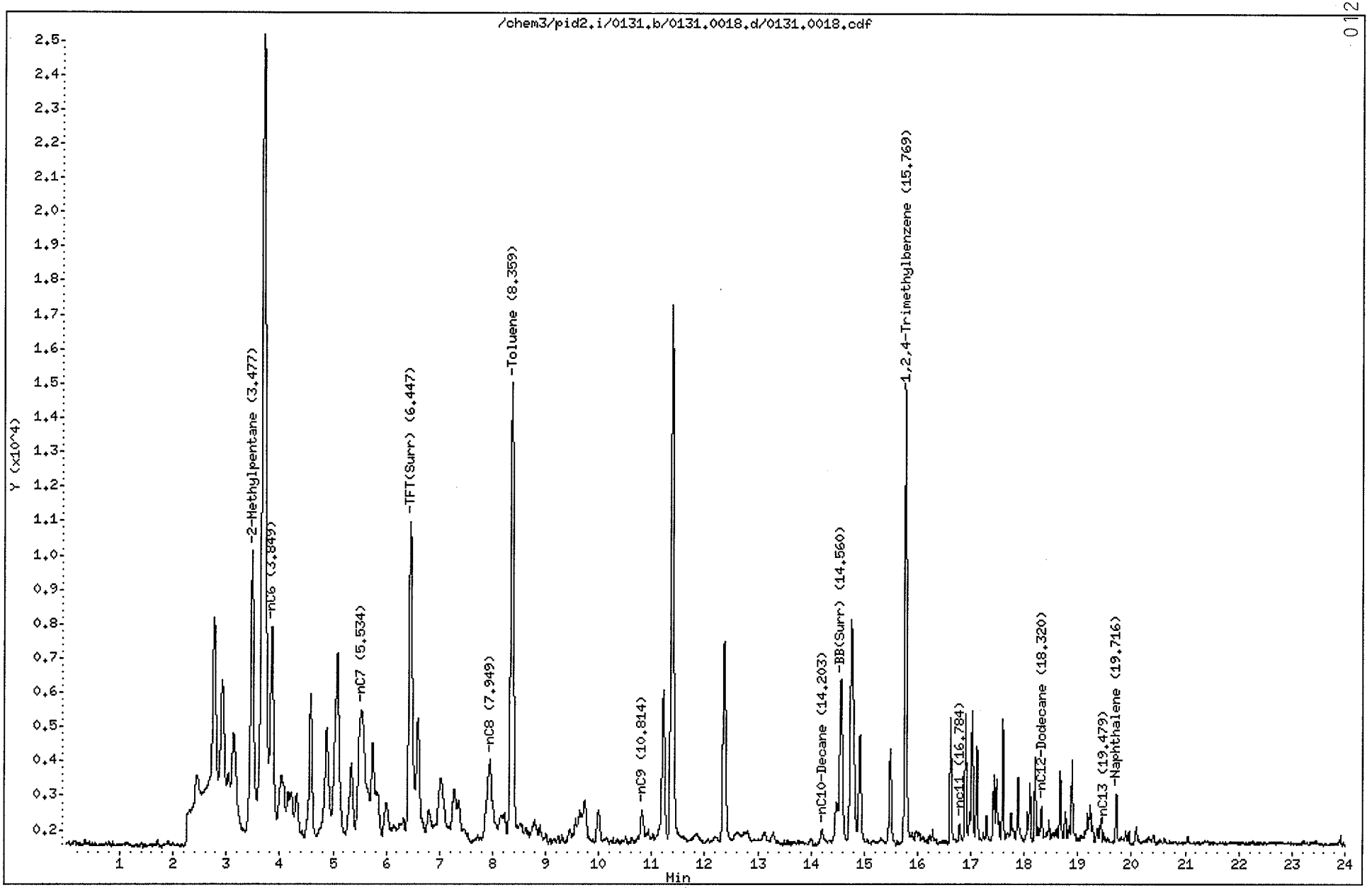
Sample Info: IZ30HMS

Column phase: RTX 502-2 FID

Instrument: pid2.i

Operator: PC

Column diameter: 0.18



Data File: /chem3/pid2.i/0131.b/0131.0019.d

Date : 31-JAN-2006 18:37

Client ID: MW-111 MSD

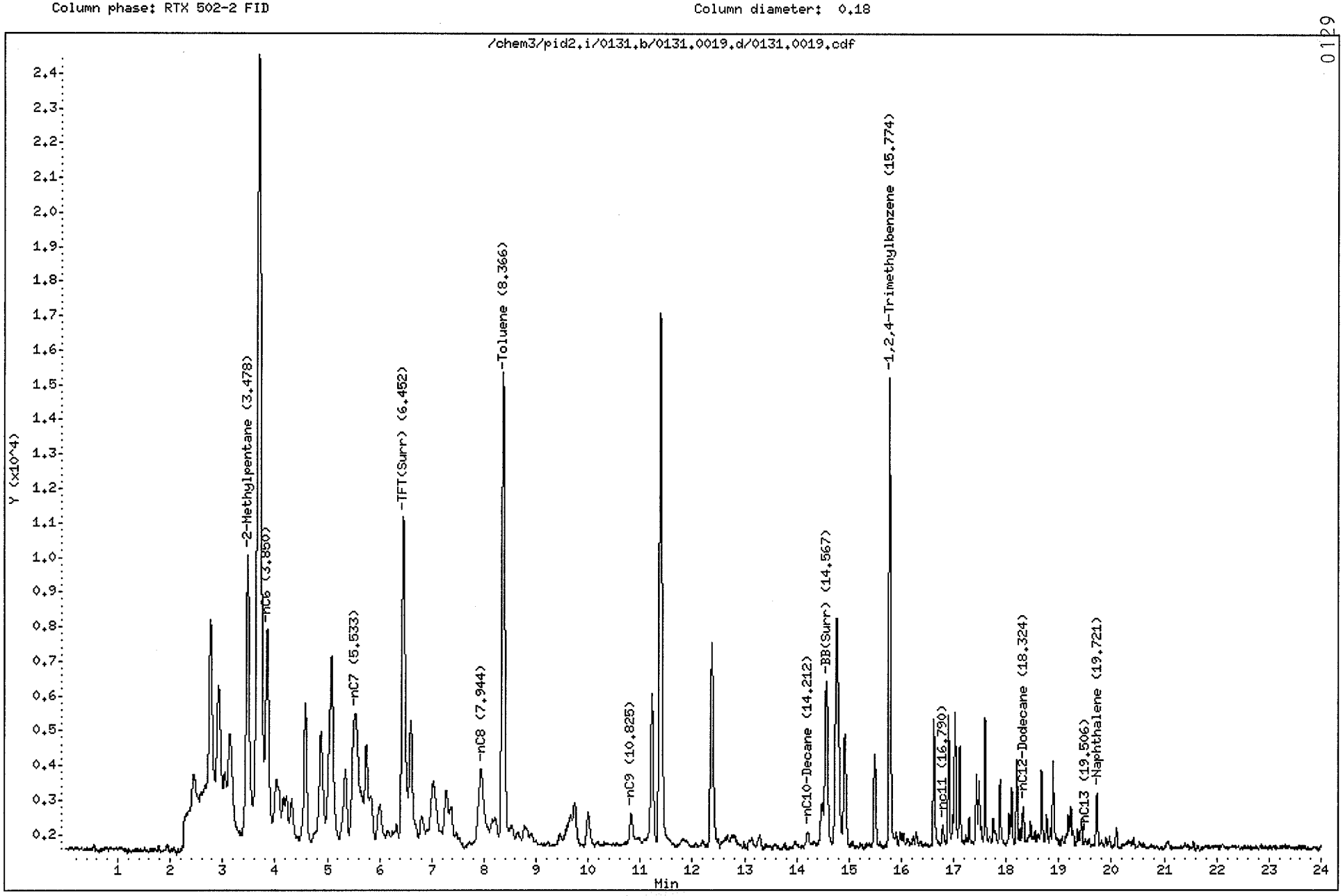
Sample Info: IZ30HMSD

Column phase: RTX 502-2 FID

Instrument: pid2.i

Operator: PC

Column diameter: 0.18



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: LCS-013106
LAB CONTROL SAMPLE

Lab Sample ID: LCS-013106
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009
Date Sampled: NA
Date Received: NA

Date Analyzed LCS: 01/31/06 11:25
LCSD: 01/31/06 11:54
Instrument/Analyst LCS: PID2/PKC
LCSD: PID2/PKC

Purge Volume: 5.0 mL
Dilution Factor LCS: 1.0 mL
LCSD: 1.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Gasoline Range Hydrocarbons	0.95	1.00	95.0%	0.98	1.00	98.0%	3.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

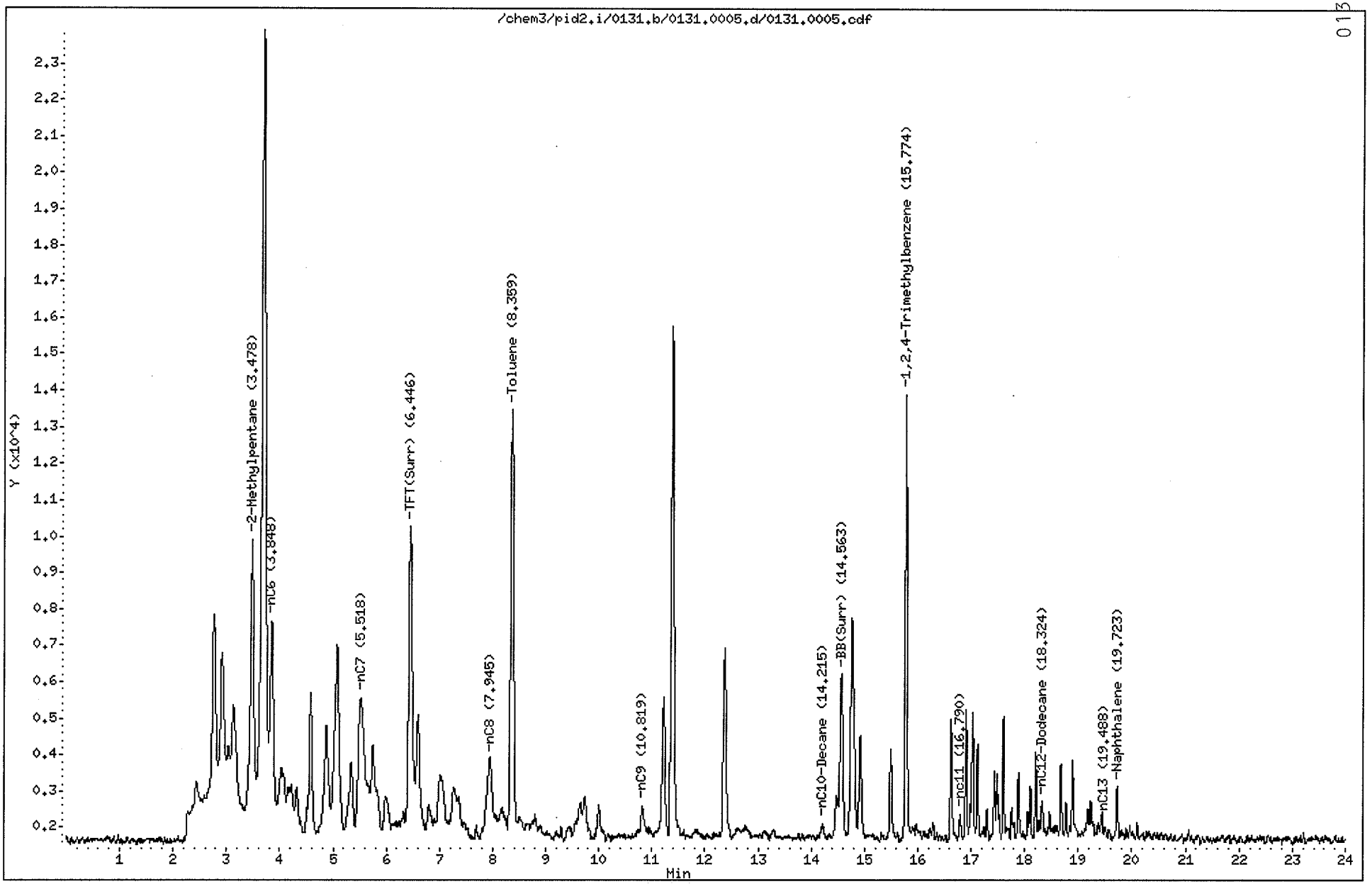
	LCS	LCSD
Trifluorotoluene	108%	107%
Bromobenzene	101%	102%

Data File: /chem3/pid2.i/0131.b/0131.0005.d
Date : 31-JAN-2006 11:25
Client ID:
Sample Info: LCS013106W1

Instrument: pid2.i

Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID

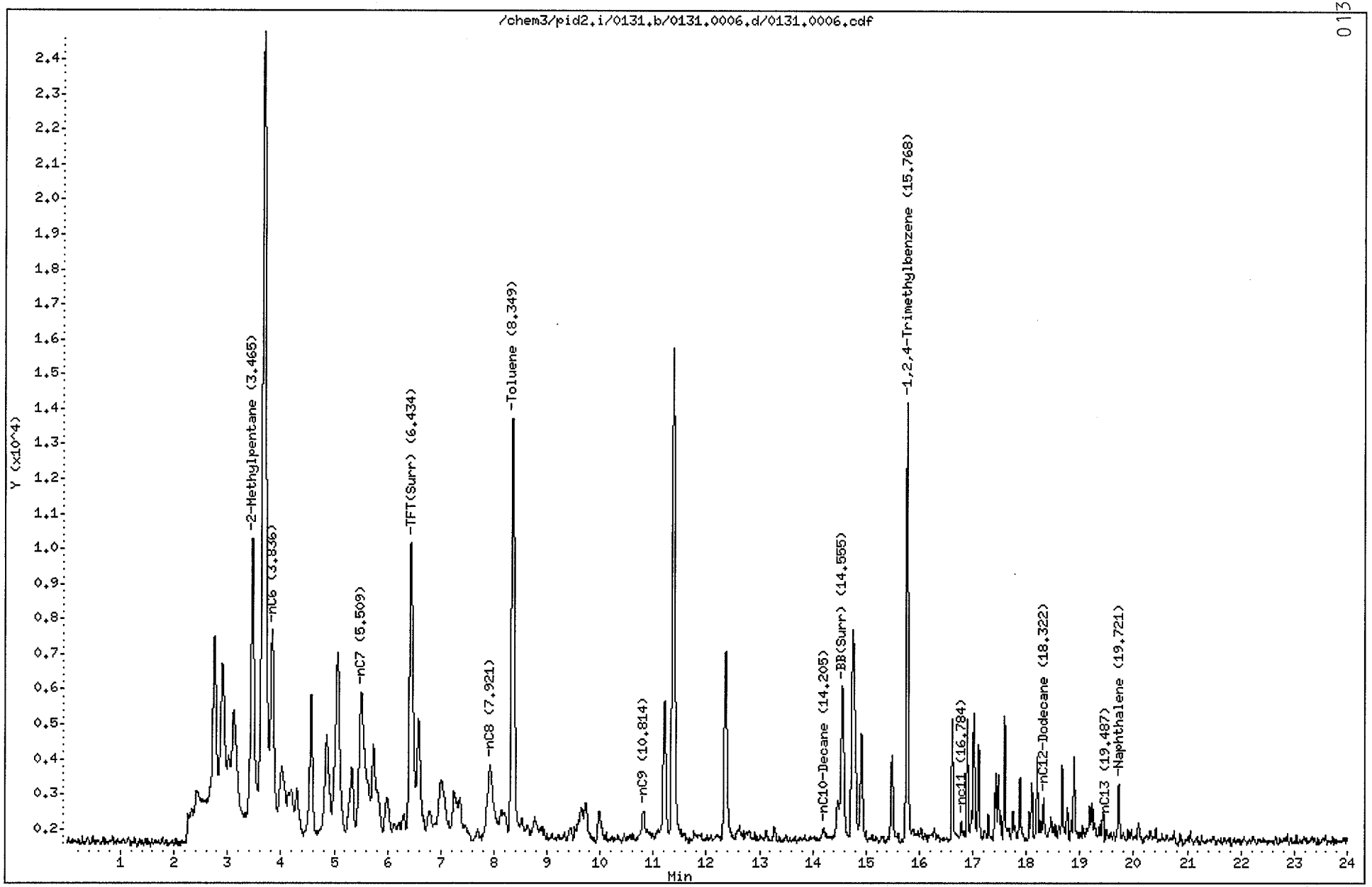


Data File: /chem3/pid2.i/0131.b/0131.0006.d
Date : 31-JAN-2006 11:54
Client ID:
Sample Info: LCSD013106W1

Instrument: pid2.i

Operator: PC
Column diameter: 0.18

Column phase: RTX 502-2 FID



ANALYTICAL RESOURCES INCORPORATED

TPHG WATER SURROGATE RECOVERY SUMMARY

ARI Job: IZ30
Matrix: Water

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
Event: 529009

Client ID	TFT	BBZ	TOT OUT
MB-013106	99.3%	89.4%	0
LCS-013106	108%	101%	0
LCSD-013106	107%	102%	0
MW-102	104%	94.4%	0
MW-104	102%	92.2%	0
MW-113	102%	94.4%	0
MW-108	103%	91.3%	0
MW-112	103%	94.5%	0
MW-107	95.9%	91.3%	0
MW-110	102%	93.2%	0
MW-111	104%	95.7%	0
MW-111 MS	110%	105%	0
MW-111 MSD	111%	105%	0
MW-103	103%	96.3%	0
MW-109	100%	96.0%	0
MW-101	99.2%	99.5%	0
MW-105	98.3%	90.4%	0
MW-106	106%	99.0%	0
Trip Blank	99.5%	98.7%	0

	LCS/MB LIMITS	QC LIMITS
(TFT) = Trifluorotoluene	(79-124)	(53-133)
(BBZ) = Bromobenzene	(78-119)	(56-132)

Log Number Range: 06-1142 to 06-1155

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: IZ30-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
06-1142	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	98.2%
IZ30A	MW-102	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1142	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	88.2%
IZ30B	MW-104	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1143	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	94.7%
IZ30C	MW-113	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1144	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	88.4%
IZ30D	MW-108	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1145	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	93.1%
IZ30E	MW-112	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1146	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	93.8%
IZ30F	MW-107	01/27/06	01/28/06	1.0	Diesel	< 0.25 U
06-1147	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	93.3%
IZ30G	MW-110	01/27/06	01/28/06	1.0	**Diesel**	**0.73**
06-1148	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**0.86**
					o-Terphenyl	76.0%

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.

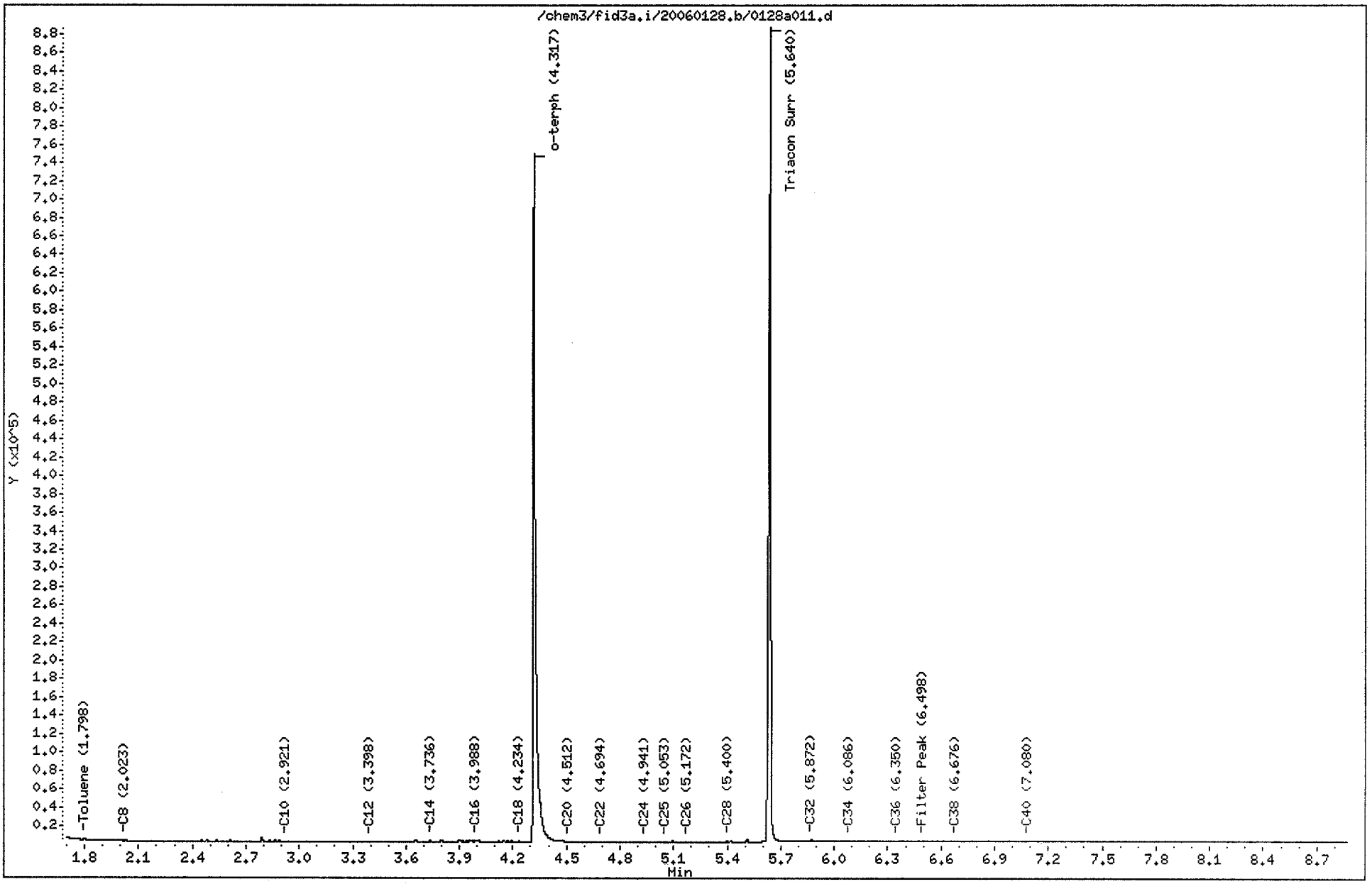
Data File: /chem3/fid3a.i/20060128.b/0128a011.d
Date : 28-JAN-2006 14:30
Client ID:
Sample Info: IZ17MBW1

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

0135



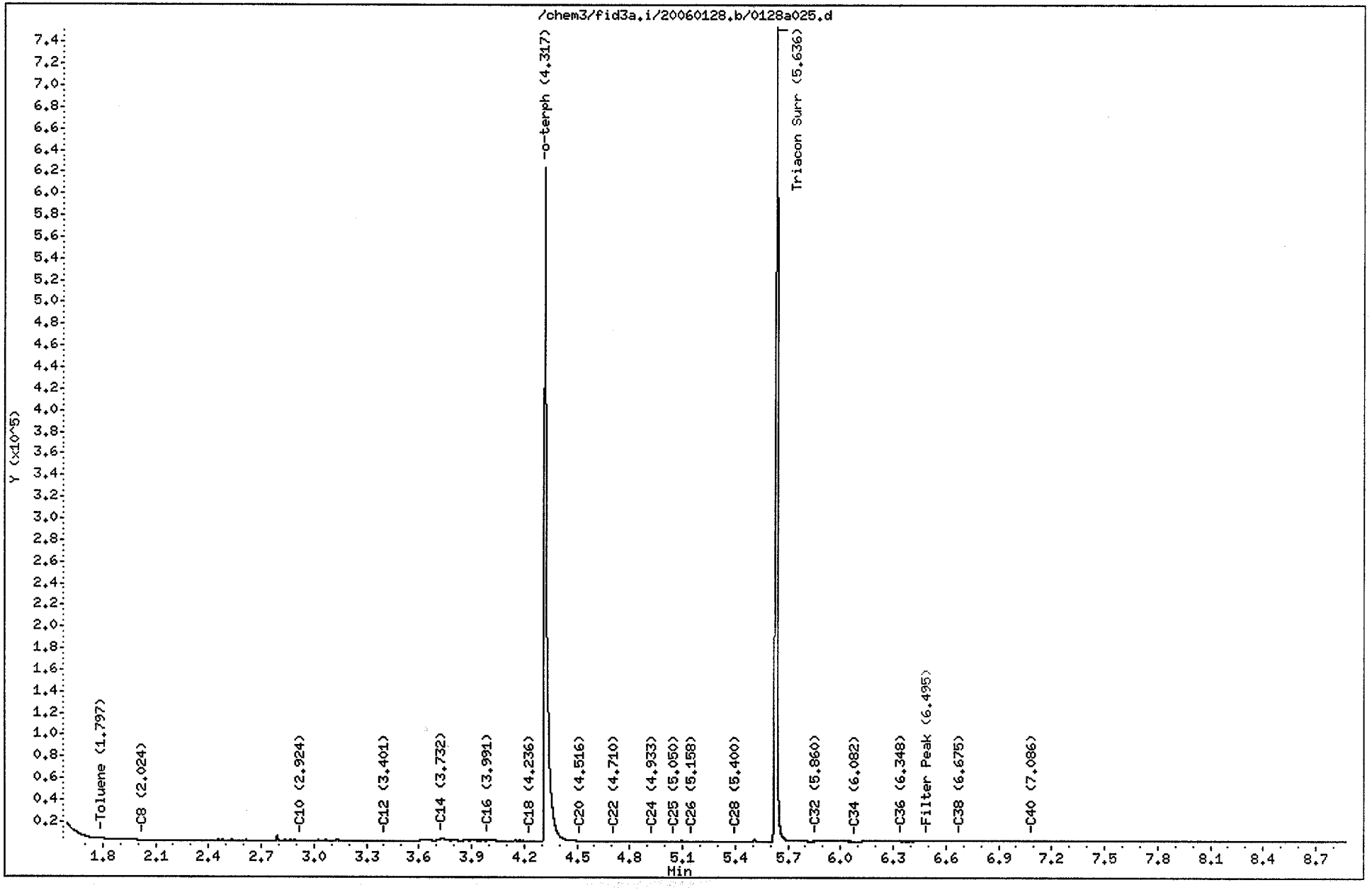
Data File: /chem3/fid3a.i/20060128.b/0128a025.d
Date : 28-JAN-2006 18:03
Client ID:
Sample Info: IZ30A

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

0136



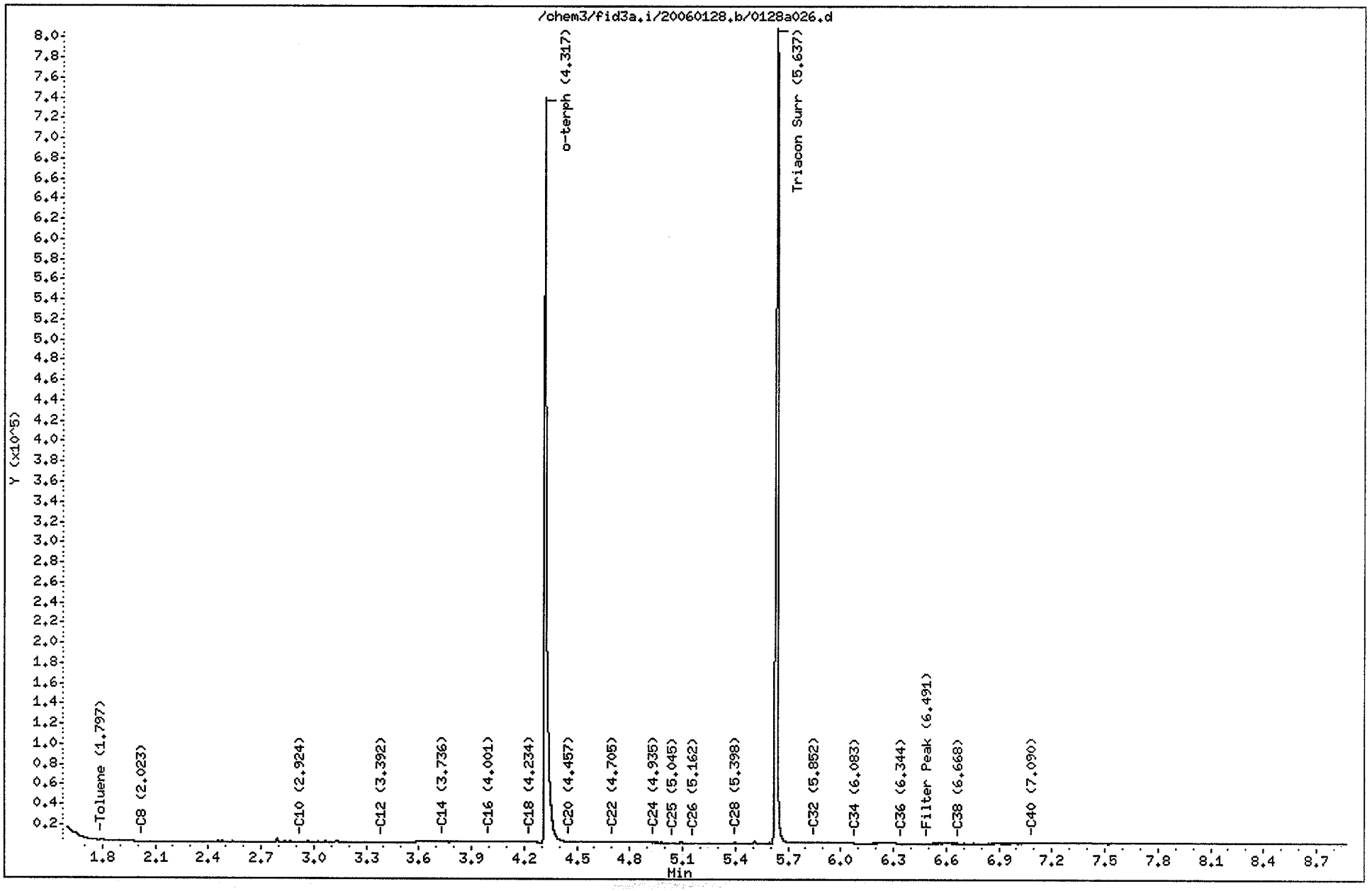
Data File: /chem3/fid3a.i/20060128.b/0128a026.d
Date : 28-JAN-2006 18:18
Client ID:
Sample Info: IZ30B

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

0137



Data File: /chem3/fid3a.i/20060128.b/0128a027.d

Date : 28-JAN-2006 18:33

Client ID:

Sample Info: IZ30C

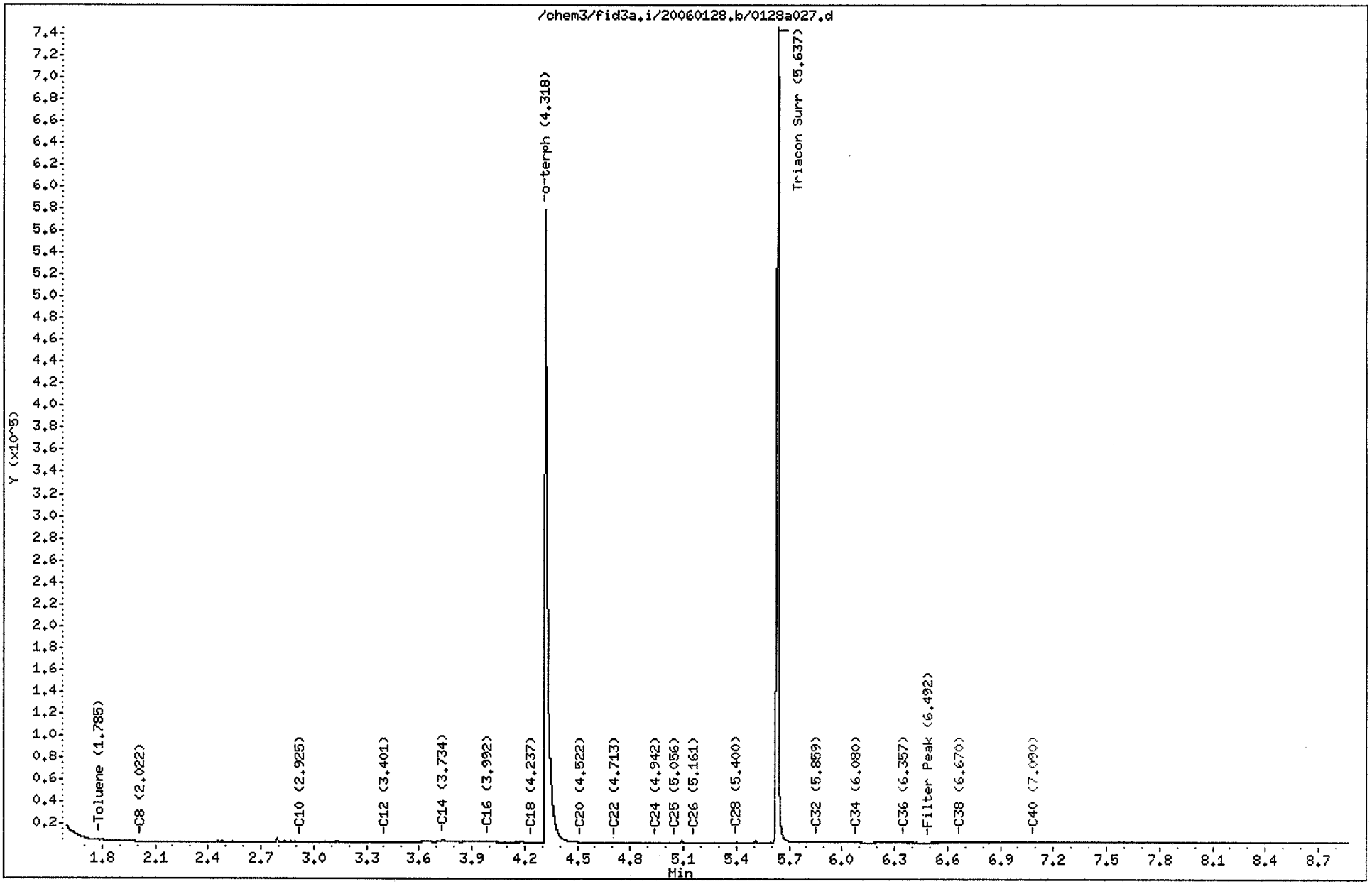
Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

0138



Data File: /chem3/fid3a.i/20060128.b/0128a028.d

Date : 28-JAN-2006 18:48

Client ID:

Sample Info: IZ30D

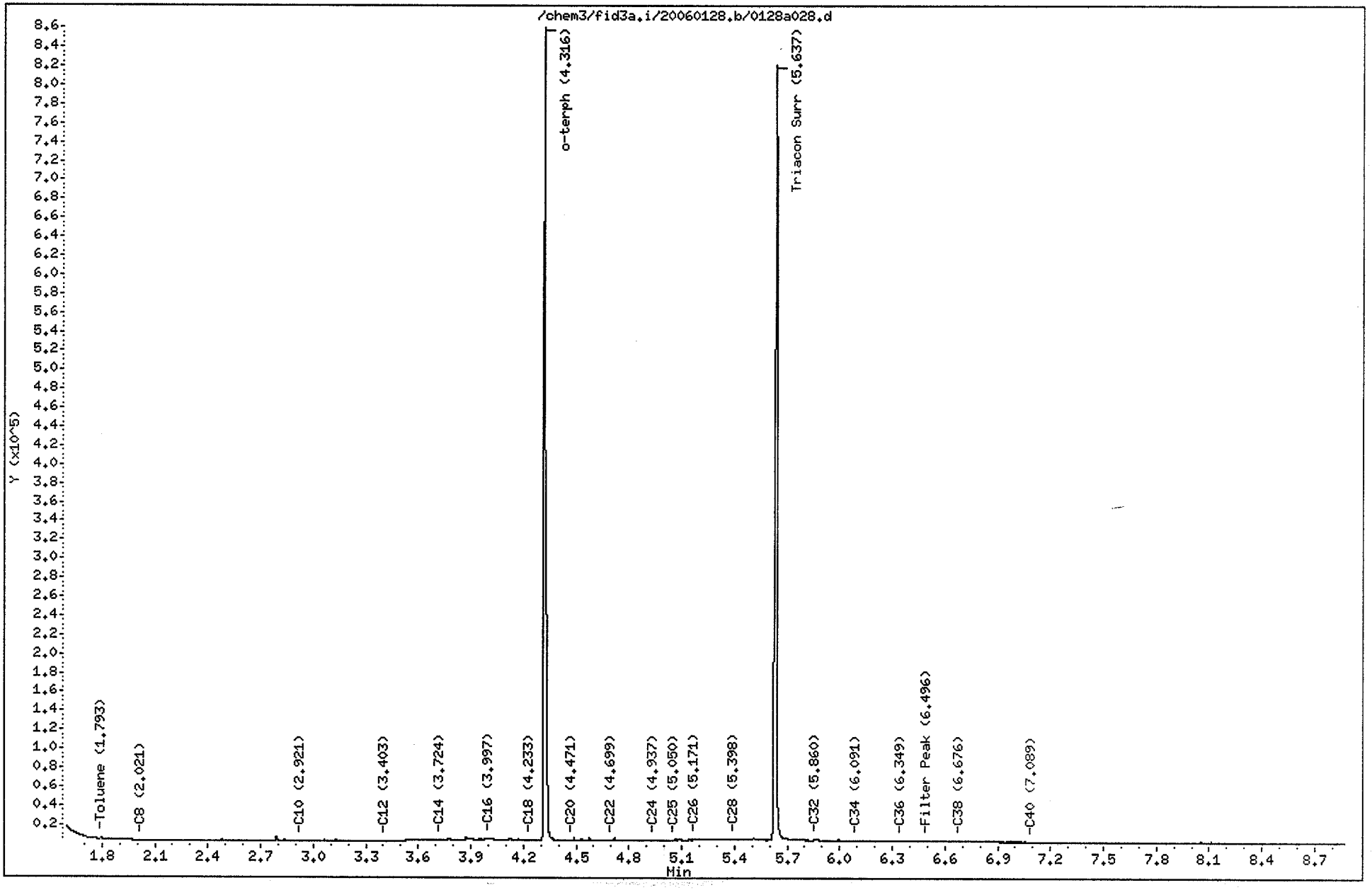
Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

0139



Data File: /chem3/fid3a.i/20060128.b/0128a029.d

Date : 28-JAN-2006 19:03

Client ID:

Sample Info: IZ30E

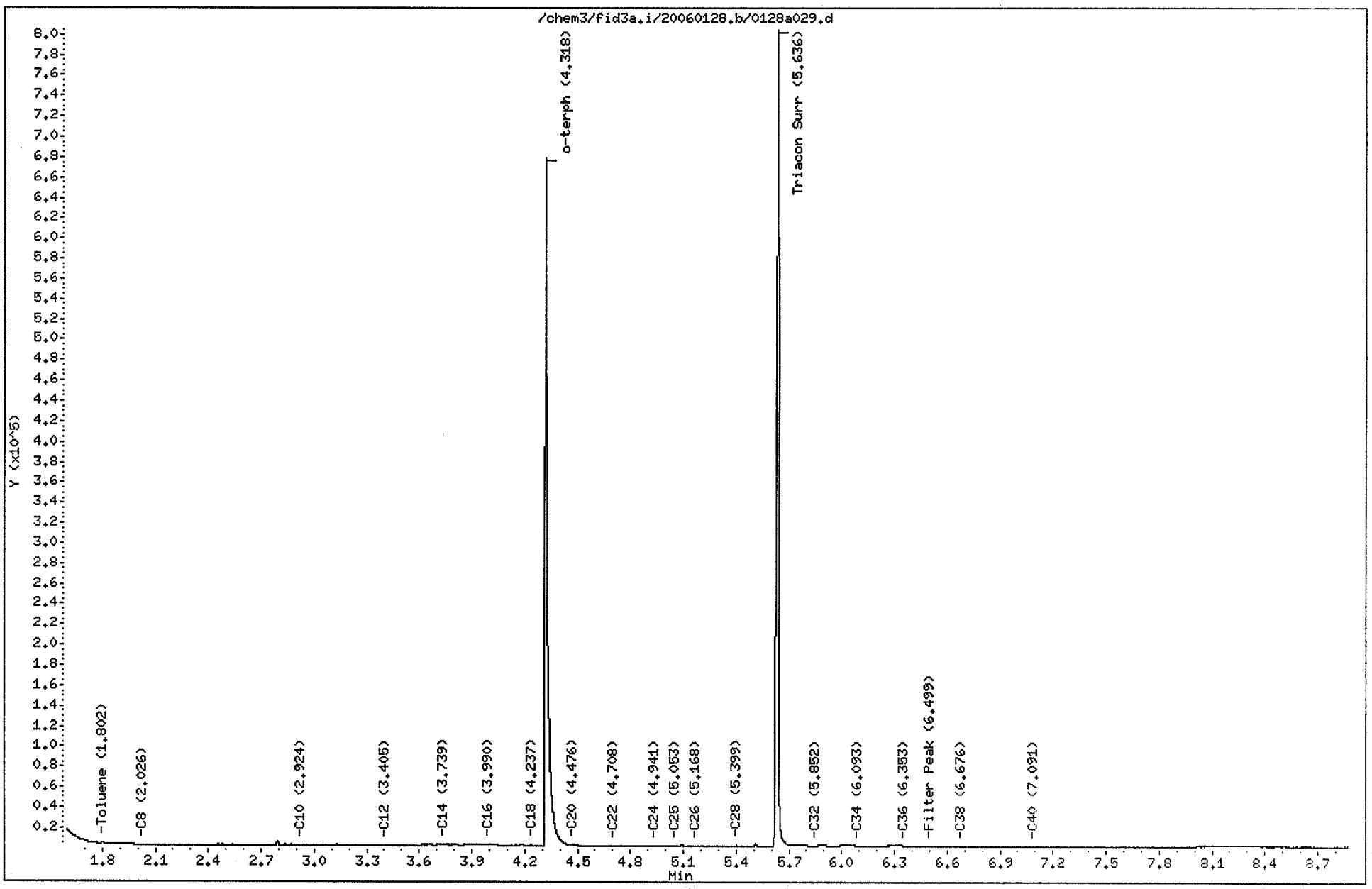
Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

0140



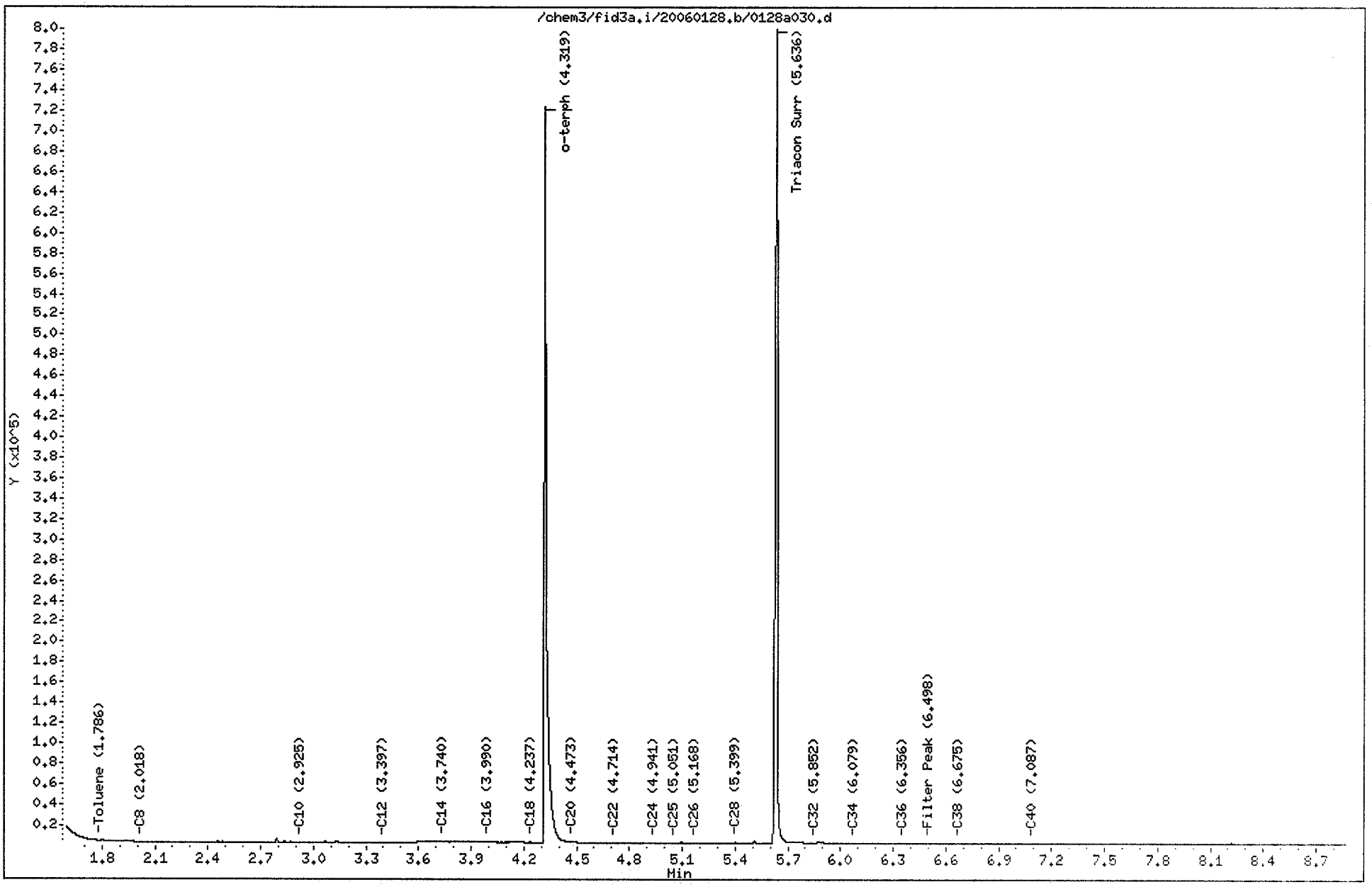
Data File: /chem3/fid3a.i/20060128.b/0128a030.d
Date : 28-JAN-2006 19:18
Client ID:
Sample Info: IZ30F

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

0141



Data File: /chem3/fid3a.i/20060128.b/0128a035.d

Date : 28-JAN-2006 20:34

Client ID:

Sample Info: IZ30G

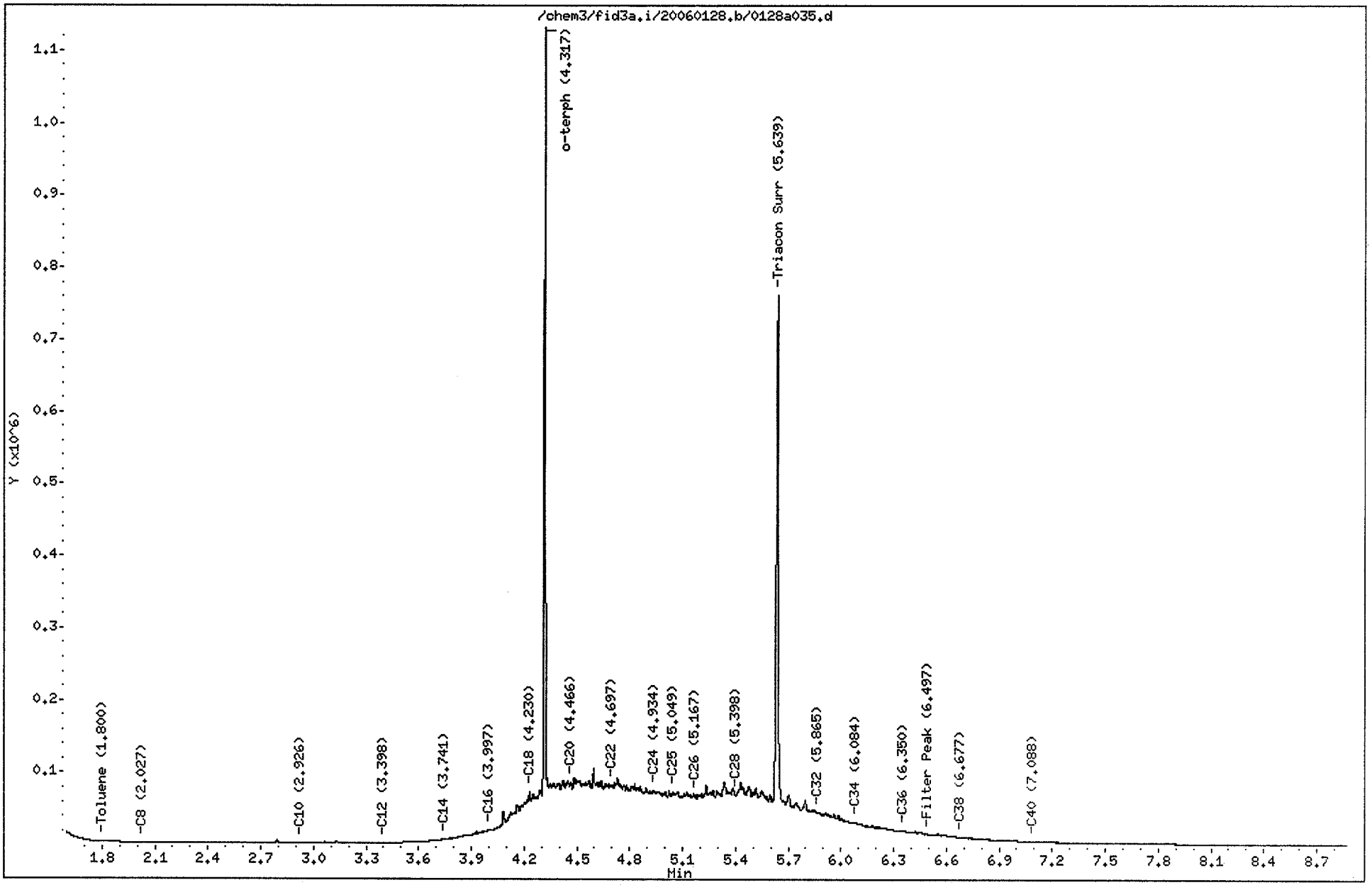
Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

0142



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
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 01/31/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/27/06
Date Analyzed: 01/28/06 14:46
Instrument/Analyst: FID/JGR

Sample Amount: 500 mL
Final Extract Volume: 1.0 mL
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

FORM III

Data File: /chem3/fid3a.i/20060128.b/0128a012.d

Date : 28-JAN-2006 14:46

Client ID:

Sample Info: IZ17LCSW1

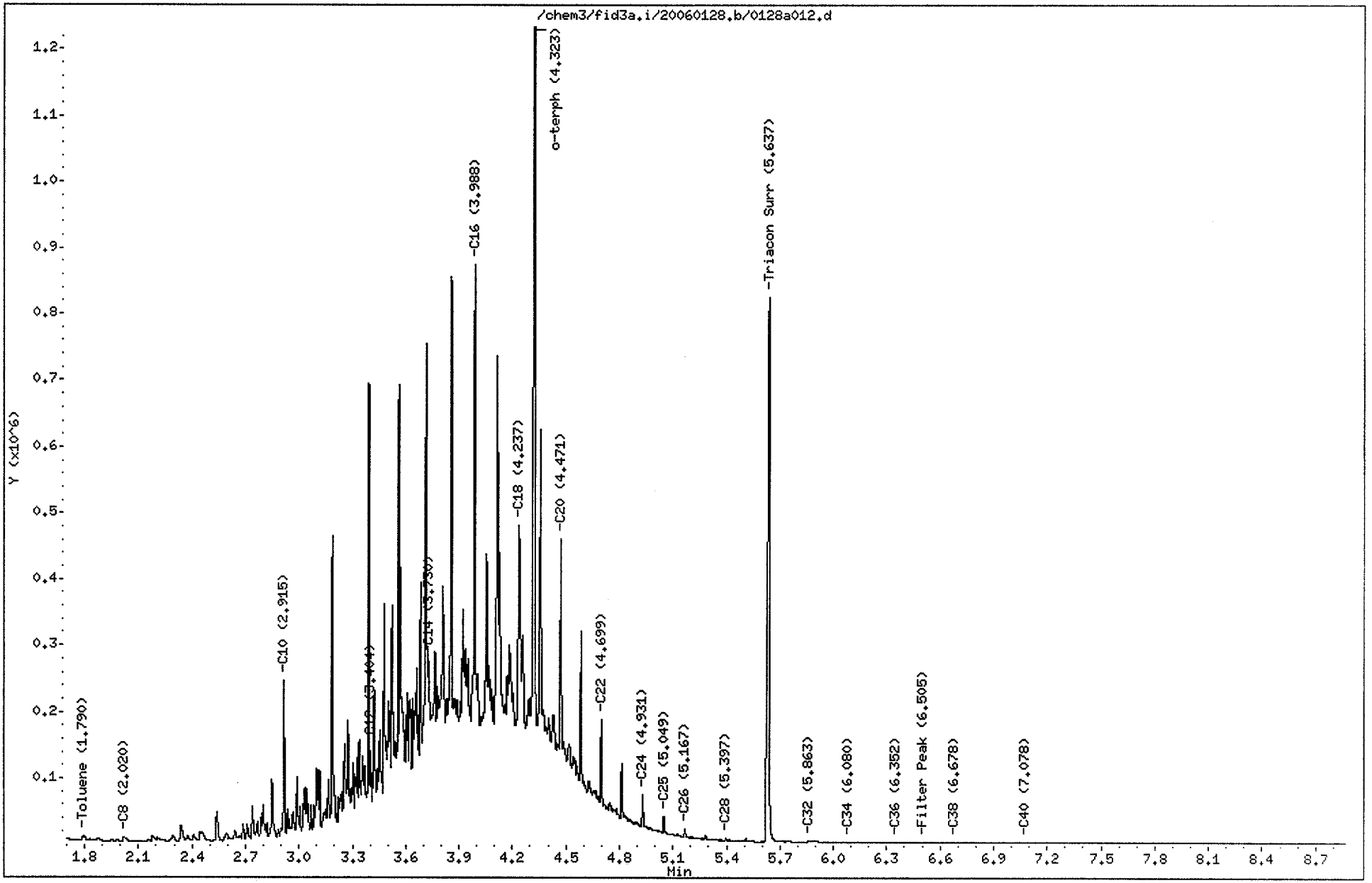
Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

0144



ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

Client ID	OTER	TOT OUT
MB-012706	98.2%	0
LCS-012706	101%	0
MW-102	88.2%	0
MW-104	94.7%	0
MW-113	88.4%	0
MW-108	93.1%	0
MW-112	93.8%	0
MW-107	93.3%	0
MW-110	76.0%	0

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

Prep Method: SW3510C
Log Number Range: 06-1142 to 06-1148

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

Matrix: Water
Date Received: 01/25/06

ARI Job: IZ30
Project: Port of Anacortes 529009

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
06-1142-012706MB1	Method Blank	500 mL	1.00 mL	01/27/06
06-1142-012706LCS1	Lab Control	500 mL	1.00 mL	01/27/06
06-1142-IZ30A	MW-102	500 mL	1.00 mL	01/27/06
06-1143-IZ30B	MW-104	500 mL	1.00 mL	01/27/06
06-1144-IZ30C	MW-113	500 mL	1.00 mL	01/27/06
06-1145-IZ30D	MW-108	500 mL	1.00 mL	01/27/06
06-1146-IZ30E	MW-112	500 mL	1.00 mL	01/27/06
06-1147-IZ30F	MW-107	500 mL	1.00 mL	01/27/06
06-1148-IZ30G	MW-110	500 mL	1.00 mL	01/27/06

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: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-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-102
SAMPLE

Lab Sample ID: IZ30A
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 20:52
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	37.2%
Tetrachlorometaxylene	35.5%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-104
SAMPLE

Lab Sample ID: IZ30B
LIMS ID: 06-1143
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 21:10
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	74.8%
Tetrachlorometaxylene	55.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: MW-113
SAMPLE

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 21:29
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	35.0%
Tetrachlorometaxylene	33.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: MW-108
SAMPLE

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 21:47
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	76.8%
Tetrachlorometaxylene	58.5%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-112
SAMPLE

Lab Sample ID: IZ30E
LIMS ID: 06-1146
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 22:06
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	75.2%
Tetrachlorometaxylene	65.2%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-107
SAMPLE

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 22:25
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	74.0%
Tetrachlorometaxylene	62.0%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MW-110
SAMPLE

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/28/06
Date Analyzed: 01/31/06 22:43
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	54.8%
Tetrachlorometaxylene	40.2%

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: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/01/06

QC Report No: IZ30-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: IZ30-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-102	37.2%	35.5%	0
MW-104	74.8%	55.2%	0
MW-113	35.0%	33.0%	0
MW-108	76.8%	58.5%	0
MW-112	75.2%	65.2%	0
MW-107	74.0%	62.0%	0
MW-110	54.8%	40.2%	0

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

Prep Method: SW3510C
Log Number Range: 06-1142 to 06-1148

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Pesticides by GC/ECD Method SW8081A **Sample ID: MB-013106**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-013106
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: NA
Date Received: NA

Date Extracted: 01/31/06
Date Analyzed: 02/06/06 12:05
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes

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

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	87.0%
Tetrachlorometaxylene	91.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Pesticides by GC/ECD Method SW8081A **Sample ID: MW-108**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/31/06
Date Analyzed: 02/03/06 17:17
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 500 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
pH: 6.3
Florisil Cleanup: No
Silica Gel: No

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	91.0%
Tetrachlorometaxylene	95.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Pesticides by GC/ECD Method SW8081A **Sample ID: MW-107**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Data Release Authorized:
Reported: 02/06/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Date Extracted: 01/31/06
Date Analyzed: 02/03/06 17:41
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 500 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
pH: 7.0
Florisil Cleanup: No
Silica Gel: No

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	97.0%
Tetrachlorometaxylene	97.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Pesticides/PCB by GC/ECD Method SW8081A **Sample ID: LCS-013106**
Page 1 of 1 **LAB CONTROL**

Lab Sample ID: LCS-013106 QC Report No: IZ30-Landau Associates
LIMS ID: 06-1145 Project: Port of Anacortes
Matrix: Water 529009
Data Release Authorized: Date Sampled: 01/24/06
Reported: 02/06/06 Date Received: 01/25/06

Date Extracted: 01/31/06 Sample Amount: 500 mL
Date Analyzed: 02/06/06 12:29 Final Extract Volume: 5.0 mL
Instrument/Analyst: ECD4/YZ Dilution Factor: 1.00
GPC Cleanup: No Sulfur Cleanup: Yes
Florisil Cleanup: No Silica Gel: No

Analyte	Lab Control	Spike Added	Recovery
alpha-BHC	0.187	0.200	93.5%
beta-BHC	0.202	0.200	101%
delta-BHC	0.177	0.200	88.5%
gamma-BHC (Lindane)	0.185	0.200	92.5%
Heptachlor	0.185	0.200	92.5%
Aldrin	0.186	0.200	93.0%
Heptachlor Epoxide	0.203	0.200	102%
Endosulfan I	0.196	0.200	98.0%
Dieldrin	0.387	0.400	96.8%
4,4'-DDE	0.386	0.400	96.5%
Endrin	0.396	0.400	99.0%
Endosulfan II	0.422	0.400	106%
4,4'-DDD	0.387	0.400	96.8%
Endosulfan Sulfate	0.388	0.400	97.0%
4,4'-DDT	0.398	0.400	99.5%
Methoxychlor	1.99	2.00	99.5%
Endrin Ketone	0.391	0.400	97.8%
Endrin Aldehyde	0.286	0.400	71.5%
gamma Chlordane	0.194	0.200	97.0%
alpha Chlordane	0.198	0.200	99.0%

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	82.0%
Tetrachlorometaxylene	91.2%

Results reported in µg/L (ppb)

ANALYTICAL RESOURCES INCORPORATED

SW8081/PESTICIDE WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009

Client ID	DCBP	TCMX	TOT OUT
MB-013106	87.0%	91.5%	0
LCS-013106	82.0%	91.2%	0
MW-108	91.0%	95.0%	0
MW-107	97.0%	97.5%	0

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

Prep Method: SW3510C
Log Number Range: 06-1145 to 06-1147

ANALYTICAL RESOURCES INCORPORATED

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

Lab Sample ID: IZ30MB
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-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	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	7440-38-2	Arsenic	0.2	0.2	U
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	7440-50-8	Copper	0.5	0.5	U
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	7440-02-0	Nickel	0.5	0.5	U
200.8	01/30/06	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
TOTAL METALS
Page 1 of 1

Sample ID: MW-102
SAMPLE

Lab Sample ID: IZ30A
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	**7440-36-0**	**Antimony**	0.2	**0.6**	
200.8	01/30/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	1	**38**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	1	**2**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	1	**10**	
200.8	01/30/06	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
TOTAL METALS
Page 1 of 1

Sample ID: MW-104
SAMPLE

Lab Sample ID: IZ30B
LIMS ID: 06-1143
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	0.5	**0.8**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	7440-50-8	Copper	0.5	0.5	U
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/02/06	**7440-02-0**	**Nickel**	0.5	**0.8**	
200.8	01/30/06	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
TOTAL METALS
Page 1 of 1

Sample ID: MW-113
SAMPLE

Lab Sample ID: IZ30C
LIMS ID: 06-1144
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	**7440-36-0**	**Antimony**	0.2	**0.5**	
200.8	01/30/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	1	**39**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	1	**2**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	1	**11**	
200.8	01/30/06	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
TOTAL METALS
Page 1 of 1

Sample ID: MW-108
SAMPLE

Lab Sample ID: IZ30D
LIMS ID: 06-1145
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/02/06	**7440-38-2**	**Arsenic**	1	**3**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/02/06	7440-50-8	Copper	2	2	U
200.8	01/30/06	200.8	01/31/06	**7439-92-1**	**Lead**	1	**1**	
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/02/06	**7440-02-0**	**Nickel**	2	**3**	
200.8	01/30/06	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
TOTAL METALS
Page 1 of 1

Sample ID: MW-112
SAMPLE

Lab Sample ID: IZ30E
LIMS ID: 06-1146
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	7440-38-2	Arsenic	1	1	U
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	1	**3**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	1	**4**	
200.8	01/30/06	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
TOTAL METALS
Page 1 of 1

Sample ID: MW-107
SAMPLE

Lab Sample ID: IZ30F
LIMS ID: 06-1147
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	**7440-36-0**	**Antimony**	0.2	**0.8**	
200.8	01/30/06	200.8	02/01/06	7440-38-2	Arsenic	1	1	U
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	1	**2**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	1	**7**	
200.8	01/30/06	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
TOTAL METALS
Page 1 of 1

Sample ID: MW-110
SAMPLE

Lab Sample ID: IZ30G
LIMS ID: 06-1148
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	0.5	**2.0**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	0.5	**0.8**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	0.5	**5.1**	
200.8	01/30/06	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
TOTAL METALS **Sample ID: LAB CONTROL**

Lab Sample ID: IZ30LCS
LIMS ID: 06-1142
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-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	25.2	25.0	101%	
Arsenic	200.8	25.1	25.0	100%	
Cadmium	200.8	24.1	25.0	96.4%	
Copper	200.8	25.8	25.0	103%	
Lead	200.8	26.9	25.0	108%	
Mercury	7470A	2.15	2.00	108%	
Nickel	200.8	25.2	25.0	101%	
Thallium	200.8	26.7	25.0	107%	

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: IZ30MB
LIMS ID: 06-1156
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-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	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	7440-38-2	Arsenic	0.2	0.2	U
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	7440-50-8	Copper	0.5	0.5	U
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	7440-02-0	Nickel	0.5	0.5	U
200.8	01/30/06	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-102
SAMPLE

Lab Sample ID: IZ30O
LIMS ID: 06-1156
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	**7440-36-0**	**Antimony**	0.2	**0.9**	
200.8	01/30/06	200.8	02/01/06	7440-38-2	Arsenic	1	1	U
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	1	**1**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	1	**7**	
200.8	01/30/06	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-104
SAMPLE

Lab Sample ID: IZ30P
LIMS ID: 06-1157
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	**7440-36-0**	**Antimony**	0.2	**0.3**	
200.8	01/30/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	0.5	**1.3**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	0.5	**0.6**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/02/06	**7440-02-0**	**Nickel**	0.5	**1.0**	
200.8	01/30/06	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-113
SAMPLE

Lab Sample ID: IZ30Q
LIMS ID: 06-1158
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	**7440-36-0**	**Antimony**	0.2	**0.5**	
200.8	01/30/06	200.8	02/02/06	**7440-38-2**	**Arsenic**	2	**36**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	1	**2**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	1	**11**	
200.8	01/30/06	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-108
SAMPLE

Lab Sample ID: IZ30R
LIMS ID: 06-1159
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	0.5	**1.6**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	0.5	**0.6**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	0.5	**2.3**	
200.8	01/30/06	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-112
SAMPLE

Lab Sample ID: IZ30S
LIMS ID: 06-1160
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/02/06	**7440-38-2**	**Arsenic**	0.5	**2.5**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	7440-50-8	Copper	1	1	U
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	1	**4**	
200.8	01/30/06	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

Sample ID: MW-107
SAMPLE

Lab Sample ID: IZ30T
LIMS ID: 06-1161
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	**7440-36-0**	**Antimony**	0.2	**0.8**	
200.8	01/30/06	200.8	02/02/06	**7440-38-2**	**Arsenic**	1	**1**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	1	**1**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	1	**6**	
200.8	01/30/06	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-110
SAMPLE

Lab Sample ID: IZ30U
LIMS ID: 06-1162
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	01/30/06	200.8	01/31/06	7440-36-0	Antimony	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-38-2**	**Arsenic**	0.5	**2.2**	
200.8	01/30/06	200.8	01/31/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	01/30/06	200.8	02/01/06	**7440-50-8**	**Copper**	0.5	**0.8**	
200.8	01/30/06	200.8	01/31/06	7439-92-1	Lead	1	1	U
7470	01/30/06	7470A	02/01/06	7439-97-6	Mercury	0.1	0.1	U
200.8	01/30/06	200.8	02/01/06	**7440-02-0**	**Nickel**	0.5	**5.3**	
200.8	01/30/06	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 **Sample ID: LAB CONTROL**

Lab Sample ID: IZ30LCS
LIMS ID: 06-1156
Matrix: Water
Data Release Authorized:
Reported: 02/03/06

QC Report No: IZ30-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	25.8	25.0	103%	
Arsenic	200.8	26.5	25.0	106%	
Cadmium	200.8	24.8	25.0	99.2%	
Copper	200.8	27.3	25.0	109%	
Lead	200.8	28	25	112%	
Mercury	7470A	2.0	2.0	100%	
Nickel	200.8	26.8	25.0	107%	
Thallium	200.8	27.4	25.0	110%	

Reported in µg/L

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

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: MW-102
SAMPLE

Lab Sample ID: JB44A
LIMS ID: 06-2913
Matrix: Water
Data Release Authorized:
Reported: 02/21/06

QC Report No: JB44-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	02/21/06	200.8	02/17/06	7440-36-0	Antimony	1	1	U
200.8	02/21/06	200.8	02/20/06	**7440-38-2**	**Arsenic**	2	36	
200.8	02/21/06	200.8	02/17/06	7440-43-9	Cadmium	1	1	U
200.8	02/21/06	200.8	02/17/06	7440-50-8	Copper	2	2	U
200.8	02/21/06	200.8	02/17/06	7439-92-1	Lead	5	5	U
200.8	02/21/06	200.8	02/17/06	**7440-02-0**	**Nickel**	2	9	
200.8	02/21/06	200.8	02/20/06	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-113
SAMPLE

Lab Sample ID: JB44B
LIMS ID: 06-2914
Matrix: Water
Data Release Authorized:
Reported: 02/21/06

QC Report No: JB44-Landau Associates
Project: Port of Anacortes
529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	02/21/06	200.8	02/17/06	7440-36-0	Antimony	1	1	U
200.8	02/21/06	200.8	02/20/06	**7440-38-2**	**Arsenic**	2	**36**	
200.8	02/21/06	200.8	02/17/06	7440-43-9	Cadmium	1	1	U
200.8	02/21/06	200.8	02/17/06	7440-50-8	Copper	2	2	U
200.8	02/21/06	200.8	02/17/06	7439-92-1	Lead	5	5	U
200.8	02/21/06	200.8	02/17/06	**7440-02-0**	**Nickel**	2	**9**	
200.8	02/21/06	200.8	02/20/06	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

Sample ID: METHOD BLANK

Lab Sample ID: JB44MB
LIMS ID: 06-2913
Matrix: Water
Data Release Authorized:
Reported: 02/21/06

QC Report No: JB44-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	02/21/06	200.8	02/17/06	7440-36-0	Antimony	0.2	0.2	U
200.8	02/21/06	200.8	02/17/06	7440-38-2	Arsenic	0.2	0.2	U
200.8	02/21/06	200.8	02/17/06	7440-43-9	Cadmium	0.2	0.2	U
200.8	02/21/06	200.8	02/17/06	7440-50-8	Copper	0.5	0.5	U
200.8	02/21/06	200.8	02/17/06	7439-92-1	Lead	1	1	U
200.8	02/21/06	200.8	02/17/06	7440-02-0	Nickel	0.5	0.5	U
200.8	02/21/06	200.8	02/20/06	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: LAB CONTROL

Lab Sample ID: JB44LCS
LIMS ID: 06-2913
Matrix: Water
Data Release Authorized:
Reported: 02/21/06

QC Report No: JB44-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	24.1	25.0	96.4%	
Arsenic	200.8	25.4	25.0	102%	
Cadmium	200.8	24.2	25.0	96.8%	
Copper	200.8	26.2	25.0	105%	
Lead	200.8	23	25	92.0%	
Nickel	200.8	25.1	25.0	100%	
Thallium	200.8	25.5	25.0	102%	

Reported in µg/L

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

METHOD BLANK RESULTS-CONVENTIONALS
IZ30-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
		02/02/06		< 1.0 U
N-Ammonia	EPA 350.1M	02/03/06	mg-N/L	< 0.010 U
N-Nitrite	EPA 353.2	01/26/06	mg-N/L	< 0.010 U
Nitrate + Nitrite	EPA 353.2	01/26/06	mg-N/L	< 0.010 U
Sulfate	EPA 375.2	02/02/06	mg/L	< 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
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Client ID: MW-102
ARI ID: 06-1142 IZ30A

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	500	2,040
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.200	13.8
N-Nitrate	01/26/06	Calculated	mg-N/L	1.00	< 1.00 U
N-Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	1.00	< 1.00 U
Nitrate + Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	1.00	< 1.00 U
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	20.0	64.8
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	9.70
Phenol	01/31/06	EPA 420.1	mg/L	0.04	0.09

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Client ID: MW-104
ARI ID: 06-1143 IZ30B

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	10.0	47.3
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.100	4.95
N-Nitrate	01/26/06	Calculated	mg-N/L	1.00	< 1.00 U
N-Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	1.00	< 1.00 U
Nitrate + Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	1.00	< 1.00 U
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	4.0	9.7
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	1.10
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
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Client ID: MW-113
ARI ID: 06-1144 IZ30C

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	02/02/06 020206#1	EPA 325.2	mg/L	500	2,470
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.500	13.4
N-Nitrate	01/26/06	Calculated	mg-N/L	1.00	< 1.00 U
N-Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	1.00	< 1.00 U
Nitrate + Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	1.00	< 1.00 U
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	20.0	86.6
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	14.2
Phenol	01/31/06	EPA 420.1	mg/L	0.04	0.30

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Client ID: MW-108
ARI ID: 06-1145 IZ30D

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	50.0	271
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.050	2.16
N-Nitrate	01/26/06	Calculated	mg-N/L	0.050	< 0.050 U
N-Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	0.050	< 0.050 U
Nitrate + Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	0.050	< 0.050 U
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	10.0	63.8
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	4.80
Phenol	01/30/06 013006#1	EPA 420.1	mg/L	0.04	0.04

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Client ID: MW-112
ARI ID: 06-1146 IZ30E

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	50.0	286
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.050	2.69
N-Nitrate	01/26/06	Calculated	mg-N/L	0.100	< 0.100 U
N-Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	0.100	< 0.100 U
Nitrate + Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	0.100	< 0.100 U
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	2.0	34.0
Sulfide	01/27/06	EPA 376.2	mg/L	0.05	< 0.05 U
Phenol	01/31/06	EPA 420.1	mg/L	0.04	< 0.04 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Client ID: MW-107
ARI ID: 06-1147 IZ30F

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	500	925
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.020	1.74
N-Nitrate	01/26/06	Calculated	mg-N/L	0.010	0.046
N-Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	0.010	< 0.010 U
Nitrate + Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	0.010	0.046
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	10.0	89.5
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	2.00
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
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Client ID: MW-110
ARI ID: 06-1148 IZ30G

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	01/27/06 012706#1	EPA 325.2	mg/L	500	1,010
N-Ammonia	02/03/06 020306#1	EPA 350.1M	mg-N/L	0.200	12.2
N-Nitrate	01/26/06	Calculated	mg-N/L	0.100	< 0.100 U
N-Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	0.100	< 0.100 U
Nitrate + Nitrite	01/26/06 012606#1	EPA 353.2	mg-N/L	0.100	< 0.100 U
Sulfate	02/02/06 020206#1	EPA 375.2	mg/L	2.0	14.2
Sulfide	01/26/06	EPA 376.2	mg/L	1.00	8.20
Phenol	01/31/06	EPA 420.1	mg/L	0.04	0.34

RL Analytical reporting limit
U Undetected at reported detection limit

LAB CONTROL RESULTS-CONVENTIONALS
IZ30-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
IZ30-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	EPA 325.2	01/27/06	mg/L	5.0	5.0	100.0%
ERA #38084		02/02/06		5.3	5.0	106.0%
N-Ammonia	EPA 350.1M	02/03/06	mg-N/L	0.464	0.500	92.8%
SPEX 28-24AS						
N-Nitrite	EPA 353.2	01/26/06	mg-N/L	0.478	0.500	95.6%
ERA #23034						
Nitrate + Nitrite	EPA 353.2	01/26/06	mg-N/L	0.468	0.500	93.6%
ERA #20034						
Sulfate	EPA 375.2	02/02/06	mg/L	26.0	25.0	104.0%
ERA #37065						
Phenol	EPA 420.1	01/30/06	mg/L	0.49	0.50	98.0%
ERA 23073.2						

REPLICATE RESULTS-CONVENTIONALS
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: IZ30A Client ID: MW-102						
N-Nitrite	EPA 353.2	01/26/06	mg-N/L	< 1.00	< 1.00	NA
Nitrate + Nitrite	EPA 353.2	01/26/06	mg-N/L	< 1.00	< 1.00	NA
ARI ID: IZ30F Client ID: MW-107						
Sulfate	EPA 375.2	02/02/06	mg/L	89.5	88.9	0.7%

MS/MSD RESULTS-CONVENTIONALS
IZ30-Landau Associates

ANALYTICAL RESOURCES INCORPORATED

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

Project: Port of Anacortes
Event: 529009
Date Sampled: 01/24/06
Date Received: 01/25/06

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: IZ30A Client ID: MW-102							
N-Nitrite	EPA 353.2	01/26/06	mg-N/L	< 1.00	50.3	50.0	100.6%
Nitrate + Nitrite	EPA 353.2	01/26/06	mg-N/L	< 1.00	50.7	50.0	101.4%
ARI ID: IZ30F Client ID: MW-107							
Sulfate	EPA 375.2	02/02/06	mg/L	89.5	289	200	99.8%

AQUATIC RESEARCH INCORPORATED

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

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

CASE FILE NUMBER: ARI096-94 **PAGE 1**

REPORT DATE: 01/31/06

DATE SAMPLED: 01/24/06 **DATE RECEIVED:** 01/26/06

FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM ANALYTICAL RESOURCES / IZ30

CASE NARRATIVE

Seven 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)
06-1142-IZ30A	MW-102	17.5
06-1143-IZ30B	MW-104	2.60
06-1144-IZ30C	MW-113	24.0
06-1145-IZ30D	MW-108	3.30
06-1146-IZ30E	MW-112	2.00
06-1147-IZ30F	MW-107	1.97
06-1148-IZ30G	MW-110	8.19

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CASE FILE NUMBER: ARI096-94 **PAGE 2**

REPORT DATE: 01/31/06

DATE SAMPLED: 01/24/06 **DATE RECEIVED:** 01/26/06

FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER SAMPLES FROM ANALYTICAL RESOURCES / IZ30

QA/QC DATA

QC PARAMETER	TANNINS/LIGNINS (mg/l)
METHOD	SM18 5550B
DATE ANALYZED	01/31/06
DETECTION LIMIT	0.010
DUPLICATE	
SAMPLE ID	MW-107
ORIGINAL	1.97
DUPLICATE	2.11
RPD	6.65%
SPIKE SAMPLE	
SAMPLE ID	MW-107
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

SUBCONTRACTOR ANALYSIS REQUEST
CUSTODY TRANSFER 01\25\06

ANALYTICAL RESOURCES INCORPORATED

ARI Project: IZ30

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:
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
06-1142-IZ30A	MW-102	1/24/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1143-IZ30B	MW-104	1/24/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1144-IZ30C	MW-113	1/24/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1145-IZ30D	MW-108	1/24/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1146-IZ30E	MW-112	1/24/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1147-IZ30F	MW-107	1/24/06	Water	1	Tannins & Lignins
Special Instructions: NONE					
06-1148-IZ30G	MW-110	1/24/06	Water	1	Tannins & Lignins
Special Instructions: NONE					

Carrier		Airbill		Date	
Relinquished by		Company ARI	Date 1-26-06	Time 1150	
Received by		Company ARI	Date 1-26-06	Time 1150	