NM - 13

INSPECTIONS & DATA

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

RECEIVED
AUG 12 2002
Environmental Bureau
Oil Conservation Division

Pinnacle Lab ID number **207050**
August 07, 2002

RESPEC
4775 INDIAN SCHOOL RD. NE STE. 300
ALBUQUERQUE, NM 87110

Project Name OCD EUNICE
Project Number (NONE)

Attention: JOHN BUNCH

On 07/15/02 Pinnacle Laboratories, Inc., (ADHS License No. AZ0592 pending), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 8021 analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

EPA method 8270 SIMS analyses were performed by Environmental Services Laboratory, Inc. Portland, OR.

All other analyses were performed by Severn Trent Laboratories, Inc. Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505)344-3777.

H. Mitchell Rubenstein, Ph. D.
General Manager

MR: jt

Enclosure

PINNACLE LABORATORIES

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Albuquerque, New Mexico 87107
Phone (505) 344-3777
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.IENT	: RESPEC	PINNACLE ID	: 207050
ROJECT #	: (NONE)	DATE RECEIVED	: 07/15/02
ROJECT NAME	: OCD EUNICE	REPORT DATE	: 08/07/02

NNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
7050 - 01	MW-1	AQUEOUS	07/09/02
7050 - 02	MW-2	AQUEOUS	07/09/02
7050 - 03	MW-3	AQUEOUS	07/09/02
7050 - 04	TRIP BLANK	AQUEOUS	06/19/02

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Phone (505) 344-3777
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GAS CHROMATOGRAPHY RESULTS

ST : EPA 8021 MODIFIED
IENT : RESPEC
:OJECT # : (NONE)
:OJECT NAME : OCD EUNICE

PINNACLE I.D.: 207050

MPLE #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
	MW-1	AQUEOUS	07/09/02	NA	07/15/02	1
	MW-2	AQUEOUS	07/09/02	NA	07/15/02	1
	MW-3	AQUEOUS	07/09/02	NA	07/15/02	1

RAMETER	DET. LIMIT	UNITS	MW-1	MW-2	MW-3
NZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
LUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
HYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TAL XYLENES	1.0	UG/L	< 1.0	< 1.0	< 1.0
RROGATE:					
OMOFLUOROBENZENE (%)			100	99	100
RROGATE LIMITS	(80 - 120)				

EMIST NOTES:

PINNACLE LABORATORIES

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GAS CHROMATOGRAPHY RESULTS

ST : EPA 8021 MODIFIED
IENT : RESPEC
:OJECT # : (NONE)
:OJECT NAME : OCD EUNICE

PINNACLE I.D.: 207050

MPLE #	CLIENT I.D.	MATRIX	DATE SAMPLED		DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
	TRIP BLANK	AQUEOUS	06/19/02	H	NA	07/15/02	1

RAMETER	DET. LIMIT	UNITS	TRIP BLANK
NZENE	0.5	UG/L	< 0.5
LUENE	0.5	UG/L	< 0.5
HYLBENZENE	0.5	UG/L	< 0.5
TAL XYLENES	1.0	UG/L	< 1.0

RROGATE:
:OMOFLUOROBENZENE (%) 96
RROGATE LIMITS (80 - 120)

IEMIST NOTES:
= Trip Blank was received and analyzed past hold time.

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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

ST	: EPA 8021 MODIFIED	PINNACLE I.D.	: 207050
ANK I. D.	: 071502	DATE EXTRACTED	: N/A
ENT	: RESPEC	DATE ANALYZED	: 07/15/02
OJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
OJECT NAME	: OCD EUNICE		

RAMETER	UNITS	
NZENE	UG/L	<0.5
LUENE	UG/L	<0.5
HYLBENZENE	UG/L	<0.5
TAL XYLENES	UG/L	<1.0

RROGATE:
OMOFLUOROBENZENE (%) 100
RROGATE LIMITS: (80 - 120)
EMIST NOTES:
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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

;T	: EPA 8021 MODIFIED	PINNACLE I.D.	: 207050
'CH #	: 071502	DATE EXTRACTED	: N/A
ENT	: RESPEC	DATE ANALYZED	: 07/15/02
)JECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
)JECT NAME	: OCD EUNICE	UNITS	: UG/L

RAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
NZENE	<0.5	20.0	19.8	99	19.8	99	0	(80 - 120)	20
LUENE	<0.5	20.0	21.1	106	21.1	106	0	(80 - 120)	20
HYLBENZENE	<0.5	20.0	22.1	111	22.1	111	0	(80 - 120)	20
TAL XYLENES	<1.0	60.0	66.7	111	66.7	111	0	(80 - 120)	20

EMIST NOTES:

$$\text{ecovery} = \frac{\text{(Spike Sample Result - Sample Result)}}{\text{Spike Concentration}} \times 100$$

$$\text{) (Relative Percent Difference)} = \frac{\text{(Sample Result - Duplicate Result)}}{\text{Average Result}} \times 100$$

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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

ST	: EPA 8021 MODIFIED	PINNACLE I.D.	: 207050
MSD #	: 207050-01	DATE EXTRACTED	: N/A
ENT	: RESPEC	DATE ANALYZED	: 07/15/02
OJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
OJECT NAME	: OCD EUNICE	UNITS	: UG/L

RAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
NZENE	<0.5	20.0	19.8	99	19.4	97	2	(80 - 120)	20
LUENE	<0.5	20.0	21.2	106	20.8	104	2	(80 - 120)	20
HYLBENZENE	<0.5	20.0	22.3	112	21.8	109	2	(80 - 120)	20
TAL XYLENES	<1.0	60.0	67.7	113	66.6	111	2	(80 - 120)	20

EMIST NOTES:

$$\text{Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{D (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

SEVERN TRENT SERVICES

STL Pensacola
LOG NO: C2-07319
Received: 16 JUL 02
Reported: 24 JUL 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 207050
Sampled By: Client
Code: 134620724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
07319-1	MW-1/207050-01	07-09-02/14:45
07319-2	MW-2/207050-02	07-09-02/15:15
07319-3	MW-3/207050-03	07-09-02/15:45

PARAMETER	07319-1	07319-2	07319-3
Alkalinity Series (2320B)			
Alkalinity (to pH 4.5) as CaCO3, mg/l	480	370	520
PH, mg/l	7.4	7.3	7.6
Dilution Factor	1	1	1
Analysis Date	07.19.02	07.19.02	07.19.02
Batch ID	AEW034	AEW034	AEW034
Analyst	ST	ST	ST
CO2 and Forms of Alkalinity (4500D)			
Bicarbonate (2320/4500), mg/l	480	370	520
Carbon Dioxide, mg/l	38	37	26
Carbonate (2320/4500), mg/l	1.0	1.0	2.0
Hydroxide, mg/l	<1.0	<1.0	<1.0
Analysis Date	07.19.02	07.19.02	07.19.02
Analyst	WG	WG	WG
Nitrate-Nitrite, Nitrogen (353.2)			
Nitrate + Nitrite-N, mg/l	1.6	0.73	2.7
Nitrate-N, mg/l	1.4	0.53	2.7
Dilution Factor	1	1	1
Analysis Date	07.18.02	07.18.02	07.18.02
Batch ID	N3W37A	N3W37A	N3W37A
Analyst	CR	CR	CR

STL Pensacola

LOG NO: C2-07319
Received: 16 JUL 02
Reported: 24 JUL 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 207050
Sampled By: Client
Code: 134620724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
07319-1	MW-1/207050-01	07-09-02/14:45
07319-2	MW-2/207050-02	07-09-02/15:15
07319-3	MW-3/207050-03	07-09-02/15:45

PARAMETER	07319-1	07319-2	07319-3
Nitrite-N (354.1), mg/l	0.25	0.20	<0.10
Dilution Factor	1	1	1
Analysis Date	07.16.02	07.16.02	07.16.02
Batch ID	N2W133	N2W133	N2W133
Analyst	CR	CR	CR
Chloride (4500E), mg/l	560	750	92
Dilution Factor	20	20	1
Analysis Date	07.17.02	07.17.02	07.17.02
Batch ID	CKW035B	CKW035B	CKW035B
Analyst	CR	CR	CR
Total Dissolved Solids (160.1), mg/l	1600	2500	600
Dilution Factor	1	1	1
Analysis Date	07.18.02	07.18.02	07.18.02
Batch ID	TDW054	TDW054	TDW054
Analyst	ST	ST	ST
Fluoride (340.2), mg/l	1.6	2.1	3.0
Dilution Factor	1	2	2
Analysis Date	07.18.02	07.18.02	07.18.02
Batch ID	FLW029	FLW029	FLW029
Analyst	ST	ST	ST

SEVERN TRENT SERVICES

STL Pensacola
LOG NO: C2-07319
Received: 16 JUL 02
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2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 207050
Sampled By: Client
Code: 134620724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
07319-1	MW-1/207050-01	07-09-02/14:45
07319-2	MW-2/207050-02	07-09-02/15:15
07319-3	MW-3/207050-03	07-09-02/15:45

PARAMETER	07319-1	07319-2	07319-3
pH (9040B), units	6.8	6.6	7.1
Dilution Factor	1	1	1
Analysis Date	07.16.02	07.16.02	07.16.02
Batch ID	PHX110	PHX110	PHX110
Analyst	CR	CR	CR
Specific Conductance (120.1), umhos/cm	2200	3200	920
Dilution Factor	1	1	1
Analysis Date	07.19.02	07.19.02	07.19.02
Batch ID	CDW018	CDW018	CDW018
Analyst	ST	ST	ST
Sulfate as SO4 (375.4), mg/l	110	360	84
Dilution Factor	5	12.5	5
Analysis Date	07.18.02	07.18.02	07.18.02
Batch ID	SEW056	SEW056	SEW056
Analyst	RB	RB	RB

SEVERN TRENT SERVICES

STL Pensacola
LOG NO: C2-07319
Received: 16 JUL 02
Reported: 24 JUL 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 207050
Sampled By: Client
Code: 134620724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
07319-1	MW-1/207050-01	07-09-02/14:45
07319-2	MW-2/207050-02	07-09-02/15:15
07319-3	MW-3/207050-03	07-09-02/15:45

PARAMETER	07319-1	07319-2	07319-3
Metals (6010B)			
Aluminum, mg/l	1.5	1.4	37
Antimony, mg/l	<0.050	<0.050	<0.050
Arsenic, mg/l	<0.0050	0.0050	0.024
Barium, mg/l	0.23	0.17	0.23
Beryllium, mg/l	<0.0030	<0.0030	<0.0030
Boron, mg/l	0.29	0.26	0.24
Cadmium, mg/l	<0.0050	<0.0050	<0.0050
Calcium, mg/l	210	340	270
Chromium, mg/l	<0.0050	<0.0050	0.038
Cobalt, mg/l	<0.010	<0.010	<0.010
Copper, mg/l	<0.010	<0.010	0.017
Iron, mg/l	1.3	1.2	32
Lead, mg/l	<0.0050	<0.0050	0.013
Magnesium, mg/l	80	110	40
Manganese, mg/l	0.54	0.59	0.57
Molybdenum, mg/l	<0.010	<0.010	0.019
Nickel, mg/l	<0.0050	<0.0050	0.020
Potassium, mg/l	15	17	19
Selenium, mg/l	<0.010	<0.010	<0.010
Silver, mg/l	<0.0050	<0.0050	<0.0050
Sodium, mg/l	160	180	100
Thallium, mg/l	<0.010	<0.010	<0.010
Zinc, mg/l	0.065	0.043	0.29

SEVERN TRENT SERVICES

STL Pensacola
LOG NO: C2-07319
Received: 16 JUL 02
Reported: 24 JUL 02

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 207050
Sampled By: Client
Code: 134620724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
07319-1	MW-1/207050-01	07-09-02/14:45
07319-2	MW-2/207050-02	07-09-02/15:15
07319-3	MW-3/207050-03	07-09-02/15:45

PARAMETER	07319-1	07319-2	07319-3
Dilution Factor	1	1	1
Prep Date	07.18.02	07.18.02	07.18.02
Analysis Date	07.18.02	07.18.02	07.18.02
Batch ID	PW294	PW294	PW294
Prep Method	3010A	3010A	3010A
Analyst	GSP	GSP	GSP
Silicon (6010), mg/l	32	34	74
Dilution Factor	1	1	10
Prep Date	07.18.02	07.18.02	07.18.02
Analysis Date	07.23.02	07.23.02	07.23.02
Batch ID	PW294	PW294	PW294
Prep Method	3010A	3010A	3010A
Analyst	GSP	GSP	GSP
Quantitation Factor	1	1	10

QUICK LOOK SHEET - AQUEOUS LABORATORY RESULTS (mg/L)

WELL ID	Date	Chloride	TDS	Flouride	Iron	Lead	Manganese	Benzene	Toluene	Ethylbenzene	Total xylenes
MW-1	7/9/2002	**560**	**1600**	**1.6**	**1.3**	<.0050	**0.54**	ND	ND	ND	ND
MW-2	7/9/2002	**750**	**2500**	**2.1**	**1.2**	<.0050	**0.59**	ND	ND	ND	ND
MW-3	7/9/2002	92	600	**3**	**32**	0.013	**0.57**	ND	ND	ND	ND
NMED/GWPA Standards *		**250**	**1000**	**1.6**	**1.0**	**0.05**	**0.2**	**0.01**	**0.75**	**0.75**	**0.62**

* 20 NMAC 6.2 - Ground and Surface Water Protection Regulations
Standards for ground water of 10,000 mg/L TDS Concentration or less

QUICK LOOK SHEET - AQUEOUS LABORATORY RESULTS (mg/L)

WELL ID	Date	Chloride	TDS	Flouride	Iron	Lead	Manganese	Benzene	Toluene	Ethylbenzene	Total xylenes
MW-1	7/9/2002	**560**	**1600**	**1.6**	**1.3**	<.0050	**0.54**	ND	ND	ND	ND
MW-2	7/9/2002	**750**	**2500**	**2.1**	**1.2**	<.0050	**0.59**	ND	ND	ND	ND
MW-3	7/9/2002	92	600	**3**	**32**	0.013	**0.57**	ND	ND	ND	ND
NMED/GWPA Standards *		**250**	**1000**	**1.6**	**1.0**	**0.05**	**0.2**	**0.01**	**0.75**	**0.75**	**0.62**

* 20 NMAC 6.2 - Ground and Surface Water Protection Regulations
Standards for ground water of 10,000 mg/L TDS Concentration or less

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Bill To: **OCD**
1220 S. Saint Francis Dr.
Santa Fe, NM 87505

Attn: **Martyne Kieling**

Invoice # 57002

Invoice Date: Jan 13, 2003

Order ID: A02121917

Project #:	N/A	DFA Vendor #: 752439743
Project Name:	General Petroleum Pit	P.A.# 20-521-07-02497
Project Location:	Eunice,NM	

Test	Quantity	Matrix	Description	Price	SubTotal
Cu, Total	4	Sludge	216773 - 216776	$10.00	$40.00
-Pesticides	4	Sludge	216773 - 216776	$175.00	$700.00
-Semivolatiles	4	Sludge	216773 - 216776	$275.00	$1,100.00
Ag, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Al, Total	4	Sludge	216773 - 216776	$10.00	$40.00
As, Total	4	Sludge	216773 - 216776	$10.00	$40.00
B, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Ba, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Cd, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Chloride	4	Sludge	216773 - 216776	$130.00	$520.00
-PCB	4	Sludge	216773 - 216776	$65.00	$260.00
Cr, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Zn, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Fe, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Hg, Total	4	Sludge	216773 - 216776	$12.00	$48.00
Mn, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Mo, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Ni, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Pb, Total	4	Sludge	216773 - 216776	$10.00	$40.00
RCI	4	Sludge	216773 - 216776	$60.00	$240.00
Se, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Si, Total	4	Sludge	216773 - 216776	$10.00	$40.00
Volatiles	4	Sludge	216773 - 216776	$135.00	$540.00
Co, Total	4	Sludge	216773 - 216776	$10.00	$40.00

Payment Terms: Net 30 Days

Total $4,088.00

Michael T. Carl
Director, Dr. Blair Leftwich

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Martyne Kieling
OCD
1220 S. Saint Francis Dr.
Santa Fe, NM 87505

Report Date: January 16, 2003

Order ID Number: A02121917

Project Number: N/A
Project Name: General Petroleum Pit
Project Location: Eunice,NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
216773	1218020855	Sludge	12/18/02	8:55	12/19/02
216774	1218020915	Sludge	12/18/02	9:15	12/19/02
216775	1218020940	Sludge	12/18/02	9:40	12/19/02
216776	1218021000	Sludge	12/18/02	10:00	12/19/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.
The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 216773 - 1218020855

Analysis:	Alkalinity	Analytical Method:	E 310.1	QC Batch:	QC25954	Date Analyzed:	1/2/03
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB24025	Date Prepared:	1/2/03

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/L as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/L as CaCo3	1	1
Bicarbonate Alkalinity		23.3	mg/L as CaCo3	1	4
Total Alkalinity		23.3	mg/L as CaCo3	1	4

Sample: 216773 - 1218020855

Analysis:	Conductivity	Analytical Method:	SM 2510B	QC Batch:	QC26074	Date Analyzed:	1/8/03
Analyst:	JSW	Preparation Method:	N/A	Prep Batch:	PB24116	Date Prepared:	1/8/03

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		2830	μMHOS/cm	1	

Sample: 216773 - 1218020855

Analysis:	Corrosivity	Analytical Method:	S 1110	QC Batch:	QC25828	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23933	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		Non-corrosive	mm/yr	1	
pH		7.9	s.u.	1	

Sample: 216773 - 1218020855

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC25879	Date Analyzed:	12/27/02
Analyst:	BC	Preparation Method:	N/A	Prep Batch:	PB23968	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		2.27	mg/Kg	1	0.25

Sample: 216773 - 1218020855

Analysis:	Ignitability	Analytical Method:	SW-846 Ch. 7.1	QC Batch:	QC25826	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23931	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		1	

Sample: 216773 - 1218020855

Analysis:	Ion Chromatography (IC)	Analytical Method:	E 300.0	QC Batch:	QC25902	Date Analyzed:	12/30/02
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB23983	Date Prepared:	12/30/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		833	mg/Kg	50	1
Fluoride		<1.0	mg/Kg	5	0.20
Nitrate-N		<1.0	mg/Kg	5	0.20
Sulfate		15.5	mg/Kg	5	1

Sample: 216773 - 1218020855

Analysis:	PCB	Analytical Method:	8082	QC Batch:	QC25771	Date Analyzed:	12/23/02
Analyst:	AG	Preparation Method:	3550	Prep Batch:	PB23879	Date Prepared:	12/23/02

Param	Flag	Result	Units	Dilution	RDL
PCB		<0.004	mg/Kg	0.16	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
deca chlorobiphenyl		0.0048	mg/Kg	0.16	0.01	30	0 - 183

Sample: 216773 - 1218020855

Analysis:	Pesticides	Analytical Method:	E 8081	QC Batch:	QC25833	Date Analyzed:	12/26/02
Analyst:	AG	Preparation Method:	3550	Prep Batch:	PB23879	Date Prepared:	12/23/02

Param	Flag	Result	Units	Dilution	RDL
alpha-BHC		<0.004	mg/Kg	0.16	0.02
gamma-BHC (Lindane)		<0.004	mg/Kg	0.16	0.02
beta-BHC		<0.004	mg/Kg	0.16	0.02
delta-BHC		<0.004	mg/Kg	0.16	0.02
Heptachlor		<0.004	mg/Kg	0.16	0.02
Aldrin		<0.004	mg/Kg	0.16	0.02
Heptachlor Epoxide		<0.004	mg/Kg	0.16	0.02
gamma-Chlordane		<0.004	mg/Kg	0.16	0.02
alpha-Chlordane		<0.004	mg/Kg	0.16	0.02
Endosulfan I		<0.004	mg/Kg	0.16	0.02
P,P-DDE		<0.004	mg/Kg	0.16	0.02
Dieldrin		<0.004	mg/Kg	0.16	0.02
Endrin		<0.004	mg/Kg	0.16	0.02
P,P-DDD		<0.004	mg/Kg	0.16	0.02
Endosulfan II		<0.004	mg/Kg	0.16	0.02
p,p-DDT		<0.004	mg/Kg	0.16	0.02
Endrin aldehyde		<0.004	mg/Kg	0.16	0.02
Endosulfan sulfate		<0.004	mg/Kg	0.16	0.02
Methoxychlor		<0.004	mg/Kg	0.16	0.02
Endrin Ketone		<0.004	mg/Kg	0.16	0.02
Toxaphene		<0.050	mg/Kg	0.16	0.31
Technical Chlordane		<0.050	mg/Kg	0.16	0.31

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,5,6-Tetrachloro-m-xylene		0.006	mg/Kg	0.16	0.01	37	-
deca chlorobiphenyl		0.0081	mg/Kg	0.16	0.01	50	-

Sample: 216773 - 1218020855

Analysis: Reactivity Analytical Method: ASTM D 5049-90/4978-95 QC Batch: QC25829 Date Analyzed: 12/26/02
Analyst: JH Preparation Method: N/A Prep Batch: PB23934 Date Prepared: 12/26/02

Param	Flag	Result	Units	Dilution	RDL
Reactivity		Non-reactive		1	
Hydrogen Sulfide		<10	mg/Kg	1	
Hydrogen Cyanide		<2.5	mg/Kg	1	

Sample: 216773 - 1218020855

Analysis: Semivolatiles Analytical Method: S 8270C QC Batch: QC25987 Date Analyzed: 1/4/03
Analyst: RC Preparation Method: E 3510C Prep Batch: PB24057 Date Prepared: 12/19/02

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<25.0	mg/Kg	100	0.25
n-Nitrosodimethylamine		<25.0	mg/Kg	100	0.25
2-Picoline		<25.0	mg/Kg	100	0.25
Methyl methanesulfonate		<25.0	mg/Kg	100	0.25
Ethyl methanesulfonate		<25.0	mg/Kg	100	0.25
Phenol		<25.0	mg/Kg	100	0.25
Aniline		<25.0	mg/Kg	100	0.25
bis (2-chloroethyl) ether		<25.0	mg/Kg	100	0.25
2-Chlorophenol		<25.0	mg/Kg	100	0.25
1,3-Dichlorobenzene (meta)		<25.0	mg/Kg	100	0.25
1,4-Dichlorobenzene		<25.0	mg/Kg	100	0.25
Benzyl alcohol		<25.0	mg/Kg	100	0.25
1,2-Dichlorobenzene		<25.0	mg/Kg	100	0.25
2-Methylphenol		<25.0	mg/Kg	100	0.25
bis (2-chloroisopropyl) ether		<25.0	mg/Kg	100	0.25
4-Methylphenol/3-Methylphenol		<25.0	mg/Kg	100	0.25
Acetophenone		<25.0	mg/Kg	100	0.25
n-Nitrosodi-n-propylamine		<25.0	mg/Kg	100	0.25
Hexachloroethane		<25.0	mg/Kg	100	0.25
Nitrobenzene		<25.0	mg/Kg	100	0.25
n-Nitrosopiperidine		<25.0	mg/Kg	100	0.25
Isophorone		<25.0	mg/Kg	100	0.25
2-Nitrophenol		<25.0	mg/Kg	100	0.25
2,4-Dimethylphenol		<25.0	mg/Kg	100	0.25
bis (2-chloroethoxy) methane		<25.0	mg/Kg	100	0.25
Benzoic acid		<25.0	mg/Kg	100	0.25
2,4-Dichlorophenol		<25.0	mg/Kg	100	0.25
1,2,4-Trichlorobenzene		<25.0	mg/Kg	100	0.25
a,a-Dimethylphenethylamine		<25.0	mg/Kg	100	0.25
Naphthalene		44.8	mg/Kg	100	0.25
4-Chloroaniline		<25.0	mg/Kg	100	0.25
2,6-Dichlorophenol		<25.0	mg/Kg	100	0.25
Hexachlorobutadiene		<25.0	mg/Kg	100	0.25
n-Nitroso-di-n-butylamine		<25.0	mg/Kg	100	0.25
4-Chloro-3-methylphenol		<25.0	mg/Kg	100	0.25
1-Methylnaphthalene		87.7	mg/Kg	100	0.25
2-Methylnaphthalene		87.9	mg/Kg	100	0.25
1,2,4,5-Tetrachlorobenzene		<25.0	mg/Kg	100	0.25
Hexachlorocyclopentadiene		<25.0	mg/Kg	100	0.25

Continued ...

... *Continued* Sample: 216773 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
2,4,6-Trichlorophenol		<25.0	mg/Kg	100	0.25
2,4,5-Trichlorophenol		<25.0	mg/Kg	100	0.25
2-Chloronaphthalene		<25.0	mg/Kg	100	0.25
1-Chloronaphthalene		<25.0	mg/Kg	100	0.25
2-Nitroaniline		<25.0	mg/Kg	100	0.25
Dimethylphthalate		<25.0	mg/Kg	100	0.25
Acenaphthylene		<25.0	mg/Kg	100	0.25
2,6-Dinitrotoluene		<25.0	mg/Kg	100	0.25
3-Nitroaniline		<25.0	mg/Kg	100	0.25
Acenaphthene		<25.0	mg/Kg	100	0.25
2,4-Dinitrophenol		<25.0	mg/Kg	100	0.25
Dibenzofuran		<25.0	mg/Kg	100	0.25
Pentachlorobenzene		<25.0	mg/Kg	100	0.25
4-Nitrophenol		<25.0	mg/Kg	100	0.25
1-Naphthylamine		<25.0	mg/Kg	100	0.25
2,4-Dinitrotoluene		<25.0	mg/Kg	100	0.25
2-Naphthylamine		<25.0	mg/Kg	100	0.25
2,3,4,6-Tetrachlorophenol		<25.0	mg/Kg	100	0.25
Fluorene		<25.0	mg/Kg	100	0.25
Diethylphthalate		<25.0	mg/Kg	100	0.25
4-Chlorophenyl-phenylether		<25.0	mg/Kg	100	0.25
4-Nitroaniline		<25.0	mg/Kg	100	0.25
4,6-Dinitro-2-methylphenol		<25.0	mg/Kg	100	0.25
Diphenylamine		<25.0	mg/Kg	100	0.25
Diphenylhydrazine		<25.0	mg/Kg	100	0.25
4-Bromophenyl-phenylether		<25.0	mg/Kg	100	0.25
Phenacetin		<25.0	mg/Kg	100	0.25
Hexachlorobenzene		<25.0	mg/Kg	100	0.25
4-Aminobiphenyl		<25.0	mg/Kg	100	0.25
Pentachlorophenol		<25.0	mg/Kg	100	0.25
Pentachloronitrobenzene		<25.0	mg/Kg	100	0.25
Pronamide		<25.0	mg/Kg	100	0.25
Phenanthrene		<25.0	mg/Kg	100	0.25
Anthracene		<25.0	mg/Kg	100	0.25
Di-n-butylphthalate		<25.0	mg/Kg	100	0.25
Fluoranthene		<25.0	mg/Kg	100	0.25
Benzidine		<25.0	mg/Kg	100	0.25
Pyrene		<25.0	mg/Kg	100	0.25
p-Dimethylaminoazobenzene		<25.0	mg/Kg	100	0.25
Butylbenzylphthalate		<25.0	mg/Kg	100	0.25
Benzo(a)anthracene		<25.0	mg/Kg	100	0.25
3,3-Dichlorobenzidine		<25.0	mg/Kg	100	0.25
Chrysene		<25.0	mg/Kg	100	0.25
Bis (2-ethylhexyl) phthalate		<25.0	mg/Kg	100	0.25
Di-n-octylphthalate		<25.0	mg/Kg	100	0.25
Benzo(b)fluoranthene		<25.0	mg/Kg	100	0.25
7,12-Dimethylbenz(a)anthracene		<25.0	mg/Kg	100	0.25
Benzo(k)fluoranthene		<25.0	mg/Kg	100	0.25
Benzo(a)pyrene		<25.0	mg/Kg	100	0.25
3-Methylcholanthrene		<25.0	mg/Kg	100	0.25
Dibenzo(a,j)acridine		<25.0	mg/Kg	100	0.25
Indeno(1,2,3-cd)pyrene		<25.0	mg/Kg	100	0.25
Dibenzo(a,h)anthracene		<25.0	mg/Kg	100	0.25

Continued ...

... *Continued* Sample: 216773 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
Benzo(g,h,i)perylene		<25.0	mg/Kg	100	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	[1]	102.7	mg/Kg	100	80	128	25 - 121
Phenol-d5	[2]	88.8	mg/Kg	100	80	111	24 - 113
Nitrobenzene-d5	[3]	891	mg/Kg	100	80	1113	23 - 120
2-Fluorobiphenyl	[4]	288	mg/Kg	100	80	360	30 - 115
2,4,6-Tribromophenol	[5]	0	mg/Kg	100	80	0	19 - 122
Terphenyl-d14	[6]	346	mg/Kg	100	80	432	28 - 137

Sample: 216773 - 1218020855

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC25875 Date Analyzed: 12/29/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB23925 Date Prepared: 12/26/02

Param	Flag	Result	Units	Dilution	RDL
Total Aluminum		330	mg/Kg	100	0.10
Total Arsenic		15.6	mg/Kg	100	0.05
Total Barium		455	mg/Kg	100	0.10
Total Boron		4.46	mg/Kg	100	0.005
Total Cadmium		1.09	mg/Kg	100	0.005
Total Calcium		6050	mg/Kg	1	0.50
Total Chromium		25.7	mg/Kg	100	0.01
Total Cobalt		<2.50	mg/Kg	100	0.02
Total Copper		39.8	mg/Kg	100	0.01
Total Iron		19500	mg/Kg	100	0.05
Total Lead		136	mg/Kg	100	0.01
Total Magnesium		681	mg/Kg	1	0.50
Total Manganese		88.0	mg/Kg	100	0.02
Total Molybdenum		<5.00	mg/Kg	100	0.05
Total Nickel		13.9	mg/Kg	100	0.02
Total Potassium		162	mg/Kg	1	0.50
Total Selenium		<1.00	mg/Kg	100	0.01
Total Silica		78.1	mg/Kg	100	0.05
Total Silver		<0.200	mg/Kg	100	0.002
Total Sodium		1820	mg/Kg	1	0.50
Total Zinc		310	mg/Kg	100	0.02

Sample: 216773 - 1218020855

Analysis: Volatiles Analytical Method: S 8260B QC Batch: QC25943 Date Analyzed: 12/30/02
Analyst: JG Preparation Method: E 5030B Prep Batch: PB24020 Date Prepared: 12/30/02

[1]Sample surrogate recovery out of range due to sample matrix.
[2]Sample surrogate recovery out of range due to sample matrix.
[3]Sample surrogate recovery out of range due to sample matrix.
[4]Sample surrogate recovery out of range due to sample matrix.
[5]Sample surrogate recovery out of range due to sample matrix.
[6]Sample surrogate recovery out of range due to sample matrix.

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<1000	µg/Kg	1000	1
Dichlorodifluoromethane		<1000	µg/Kg	1000	1
Chloromethane (methyl chloride)		<1000	µg/Kg	1000	1
Vinyl Chloride		<1000	µg/Kg	1000	1
Bromomethane (methyl bromide)		<5000	µg/Kg	1000	5
Chloroethane		<1000	µg/Kg	1000	1
Trichlorofluoromethane		<1000	µg/Kg	1000	1
Acetone		<10000	µg/Kg	1000	10
Iodomethane (methyl iodide)		<5000	µg/Kg	1000	5
Carbon Disulfide		<1000	µg/Kg	1000	1
Acrylonitrile		<1000	µg/Kg	1000	1
2-Butanone (MEK)		<5000	µg/Kg	1000	5
4-methyl-2-pentanone (MIBK)		<5000	µg/Kg	1000	5
2-hexanone		<5000	µg/Kg	1000	5
trans 1,4-Dichloro-2-butene		<10000	µg/Kg	1000	10
1,1-Dichloroethene		<1000	µg/Kg	1000	1
Methylene chloride		<5000	µg/Kg	1000	5
MTBE		<1000	µg/Kg	1000	1
trans-1,2-Dichloroethene		<1000	µg/Kg	1000	1
1,1-Dichloroethane		<1000	µg/Kg	1000	1
cis-1,2-Dichloroethene		<1000	µg/Kg	1000	1
2,2-Dichloropropane		<1000	µg/Kg	1000	1
1,2-Dichloroethane (EDC)		<1000	µg/Kg	1000	1
Chloroform		<1000	µg/Kg	1000	1
1,1,1-Trichloroethane		<1000	µg/Kg	1000	1
1,1-Dichloropropene		<1000	µg/Kg	1000	1
Benzene		66400	µg/Kg	1000	1
Carbon Tetrachloride		<1000	µg/Kg	1000	1
1,2-Dichloropropane		<1000	µg/Kg	1000	1
Trichloroethene (TCE)		<1000	µg/Kg	1000	1
Dibromomethane (methylene bromide)		<1000	µg/Kg	1000	1
Bromodichloromethane		<1000	µg/Kg	1000	1
2-Chloroethyl vinyl ether		<5000	µg/Kg	1000	5
cis-1,3-Dichloropropene		<1000	µg/Kg	1000	1
trans-1,3-Dichloropropene		<1000	µg/Kg	1000	1
Toluene		109000	µg/Kg	1000	1
1,1,2-Trichloroethane		<1000	µg/Kg	1000	1
1,3-Dichloropropane		<1000	µg/Kg	1000	1
Dibromochloromethane		<1000	µg/Kg	1000	1
1,2-Dibromoethane (EDB)		<1000	µg/Kg	1000	1
Tetrachloroethene (PCE)		<1000	µg/Kg	1000	1
Chlorobenzene		<1000	µg/Kg	1000	1
1,1,1,2-Tetrachloroethane		<1000	µg/Kg	1000	1
Ethylbenzene		108000	µg/Kg	1000	1
m,p-Xylene		145000	µg/Kg	1000	1
Bromoform		<1000	µg/Kg	1000	1
Styrene		<1000	µg/Kg	1000	1
o-Xylene		55400	µg/Kg	1000	1
1,1,2,2-Tetrachloroethane		<1000	µg/Kg	1000	1
2-Chlorotoluene		<1000	µg/Kg	1000	1
1,2,3-Trichloropropane		<1000	µg/Kg	1000	1
Isopropylbenzene		22600	µg/Kg	1000	1
Bromobenzene		<1000	µg/Kg	1000	1

Continued ...

... *Continued* Sample: 216773 Analysis: Volatiles

Param	Flag	Result	Units	Dilution	RDL
n-Propylbenzene		31100	µg/Kg	1000	1
1,3,5-Trimethylbenzene		30700	µg/Kg	1000	1
tert-Butylbenzene		<1000	µg/Kg	1000	1
1,2,4-Trimethylbenzene		84200	µg/Kg	1000	1
1,4-Dichlorobenzene (para)		<1000	µg/Kg	1000	1
sec-Butylbenzene		11600	µg/Kg	1000	1
1,3-Dichlorobenzene (meta)		<1000	µg/Kg	1000	1
p-Isopropyltoluene		7690	µg/Kg	1000	1
4-Chlorotoluene		<1000	µg/Kg	1000	1
1,2-Dichlorobenzene (ortho)		<1000	µg/Kg	1000	1
n-Butylbenzene		13300	µg/Kg	1000	1
1,2-Dibromo-3-chloropropane		<5000	µg/Kg	1000	5
1,2,3-Trichlorobenzene		<5000	µg/Kg	1000	5
1,2,4-Trichlorobenzene		<5000	µg/Kg	1000	5
Naphthalene		39200	µg/Kg	1000	5
Hexachlorobutadiene		<5000	µg/Kg	1000	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		39.7	µg/Kg	1000	50	79	45 - 105
Toluene-d8		49.9	µg/Kg	1000	50	99	92 - 106
4-Bromofluorobenzene		47.2	µg/Kg	1000	50	94	84 - 115

Sample: 216773 - 1218020855

Analysis:	pH	Analytical Method:	E 150.1	QC Batch:	QC25936	Date Analyzed:	12/27/02
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB24015	Date Prepared:	12/27/02

Param	Flag	Result	Units	Dilution	RDL
pH		6.8	s.u.	1	1

Sample: 216774 - 1218020915

Analysis:	Alkalinity	Analytical Method:	E 310.1	QC Batch:	QC25954	Date Analyzed:	1/2/03
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB24025	Date Prepared:	1/2/03

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/L as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/L as CaCo3	1	1
Bicarbonate Alkalinity		147	mg/L as CaCo3	1	4
Total Alkalinity		147	mg/L as CaCo3	1	4

Sample: 216774 - 1218020915

Analysis:	Conductivity	Analytical Method:	SM 2510B	QC Batch:	QC26074	Date Analyzed:	1/8/03
Analyst:	JSW	Preparation Method:	N/A	Prep Batch:	PB24116	Date Prepared:	1/8/03

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		976	µMHOS/cm	1	

Sample: 216774 - 1218020915

Analysis:	Corrosivity	Analytical Method:	S 1110	QC Batch:	QC25828	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23933	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		Non-corrosive	mm/yr	1	
pH		8.2	s.u.	1	

Sample: 216774 - 1218020915

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC25879	Date Analyzed:	12/27/02
Analyst:	BC	Preparation Method:	N/A	Prep Batch:	PB23968	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		5.46	mg/Kg	1	0.25

Sample: 216774 - 1218020915

Analysis:	Ignitability	Analytical Method:	SW-846 Ch. 7.1	QC Batch:	QC25826	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23931	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		1	

Sample: 216774 - 1218020915

Analysis:	Ion Chromatography (IC)	Analytical Method:	E 300.0	QC Batch:	QC25902	Date Analyzed:	12/30/02
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB23983	Date Prepared:	12/30/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		156	mg/Kg	5	1
Fluoride		<1.0	mg/Kg	5	0.20
Nitrate-N		<1.0	mg/Kg	5	0.20
Sulfate		12.0	mg/Kg	5	1

Sample: 216774 - 1218020915

Analysis:	PCB	Analytical Method:	8082	QC Batch:	QC25771	Date Analyzed:	12/23/02
Analyst:	AG	Preparation Method:	3550	Prep Batch:	PB23879	Date Prepared:	12/23/02

Param	Flag	Result	Units	Dilution	RDL
PCB		<0.004	mg/Kg	0.16	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
deca chlorobiphenyl		0.0041	mg/Kg	0.16	0.01	25	0 - 183

Sample: 216774 - 1218020915

Analysis:	Pesticides	Analytical Method:	E 8081	QC Batch:	QC25833	Date Analyzed:	12/26/02
Analyst:	AG	Preparation Method:	3550	Prep Batch:	PB23879	Date Prepared:	12/23/02

Param	Flag	Result	Units	Dilution	RDL
alpha-BHC		<0.004	mg/Kg	0.16	0.02
gamma-BHC (Lindane)		<0.004	mg/Kg	0.16	0.02
beta-BHC		<0.004	mg/Kg	0.16	0.02
delta-BHC		<0.004	mg/Kg	0.16	0.02
Heptachlor		<0.004	mg/Kg	0.16	0.02
Aldrin		<0.004	mg/Kg	0.16	0.02
Heptachlor Epoxide		<0.004	mg/Kg	0.16	0.02
gamma-Chlordane		<0.004	mg/Kg	0.16	0.02
alpha-Chlordane		<0.004	mg/Kg	0.16	0.02
Endosulfan I		<0.004	mg/Kg	0.16	0.02
P,P-DDE		<0.004	mg/Kg	0.16	0.02
Dieldrin		<0.004	mg/Kg	0.16	0.02
Endrin		<0.004	mg/Kg	0.16	0.02
P,P-DDD		<0.004	mg/Kg	0.16	0.02
Endosulfan II		<0.004	mg/Kg	0.16	0.02
p,p-DDT		<0.004	mg/Kg	0.16	0.02
Endrin aldehyde		<0.004	mg/Kg	0.16	0.02
Endosulfan sulfate		<0.004	mg/Kg	0.16	0.02
Methoxychlor		<0.004	mg/Kg	0.16	0.02
Endrin Ketone		<0.004	mg/Kg	0.16	0.02
Toxaphene		<0.050	mg/Kg	0.16	0.31
Technical Chlordane		<0.050	mg/Kg	0.16	0.31

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,5,6-Tetrachloro-m-xylene		0.0135	mg/Kg	0.16	0.01	84	-
deca chlorobiphenyl		0.0116	mg/Kg	0.16	0.01	72	-

Sample: 216774 - 1218020915

Analysis:	Reactivity	Analytical Method:	ASTM D 5049-90/4978-95	QC Batch:	QC25829	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23934	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Reactivity		Non-reactive		1	
Hydrogen Sulfide		<10	mg/Kg	1	
Hydrogen Cyanide		<2.5	mg/Kg	1	

Sample: 216774 - 1218020915

Analysis:	Semivolatiles	Analytical Method:	S 8270C	QC Batch:	QC25987	Date Analyzed:	1/4/03
Analyst:	RC	Preparation Method:	E 3510C	Prep Batch:	PB24057	Date Prepared:	12/19/02

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<0.25	mg/Kg	1	0.25
n-Nitrosodimethylamine		<0.25	mg/Kg	1	0.25
2-Picoline		<0.25	mg/Kg	1	0.25

Continued ...

... *Continued* Sample: 216774 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
Methyl methanesulfonate		<0.25	mg/Kg	1	0.25
Ethyl methanesulfonate		<0.25	mg/Kg	1	0.25
Phenol		<0.25	mg/Kg	1	0.25
Aniline		<0.25	mg/Kg	1	0.25
bis (2-chloroethyl) ether		<0.25	mg/Kg	1	0.25
2-Chlorophenol		<0.25	mg/Kg	1	0.25
1,3-Dichlorobenzene (meta)		<0.25	mg/Kg	1	0.25
1,4-Dichlorobenzene		<0.25	mg/Kg	1	0.25
Benzyl alcohol		<0.25	mg/Kg	1	0.25
1,2-Dichlorobenzene		<0.25	mg/Kg	1	0.25
2-Methylphenol		<0.25	mg/Kg	1	0.25
bis (2-chloroisopropyl) ether		<0.25	mg/Kg	1	0.25
4-Methylphenol/3-Methylphenol		<0.25	mg/Kg	1	0.25
Acetophenone		<0.25	mg/Kg	1	0.25
n-Nitrosodi-n-propylamine		<0.25	mg/Kg	1	0.25
Hexachloroethane		<0.25	mg/Kg	1	0.25
Nitrobenzene		<0.25	mg/Kg	1	0.25
n-Nitrosopiperidine		<0.25	mg/Kg	1	0.25
Isophorone		<0.25	mg/Kg	1	0.25
2-Nitrophenol		<0.25	mg/Kg	1	0.25
2,4-Dimethylphenol		<0.25	mg/Kg	1	0.25
bis (2-chloroethoxy) methane		<0.25	mg/Kg	1	0.25
Benzoic acid		<0.25	mg/Kg	1	0.25
2,4-Dichlorophenol		<0.25	mg/Kg	1	0.25
1,2,4-Trichlorobenzene		<0.25	mg/Kg	1	0.25
a,a-Dimethylphenethylamine		<0.25	mg/Kg	1	0.25
Naphthalene		36.6	mg/Kg	1	0.25
4-Chloroaniline		<0.25	mg/Kg	1	0.25
2,6-Dichlorophenol		<0.25	mg/Kg	1	0.25
Hexachlorobutadiene		<0.25	mg/Kg	1	0.25
n-Nitroso-di-n-butylamine		<0.25	mg/Kg	1	0.25
4-Chloro-3-methylphenol		<0.25	mg/Kg	1	0.25
1-Methylnaphthalene		92.6	mg/Kg	1	0.25
2-Methylnaphthalene		53.9	mg/Kg	1	0.25
1,2,4,5-Tetrachlorobenzene		<0.25	mg/Kg	1	0.25
Hexachlorocyclopentadiene		<0.25	mg/Kg	1	0.25
2,4,6-Trichlorophenol		<0.25	mg/Kg	1	0.25
2,4,5-Trichlorophenol		<0.25	mg/Kg	1	0.25
2-Chloronaphthalene		<0.25	mg/Kg	1	0.25
1-Chloronaphthalene		<0.25	mg/Kg	1	0.25
2-Nitroaniline		<0.25	mg/Kg	1	0.25
Dimethylphthalate		<0.25	mg/Kg	1	0.25
Acenaphthylene		<0.25	mg/Kg	1	0.25
2,6-Dinitrotoluene		<0.25	mg/Kg	1	0.25
3-Nitroaniline		<0.25	mg/Kg	1	0.25
Acenaphthene		<0.25	mg/Kg	1	0.25
2,4-Dinitrophenol		<0.25	mg/Kg	1	0.25
Dibenzofuran		<0.25	mg/Kg	1	0.25
Pentachlorobenzene		<0.25	mg/Kg	1	0.25
4-Nitrophenol		<0.25	mg/Kg	1	0.25
1-Naphthylamine		<0.25	mg/Kg	1	0.25
2,4-Dinitrotoluene		<0.25	mg/Kg	1	0.25
2-Naphthylamine		<0.25	mg/Kg	1	0.25

Continued ...

... *Continued* Sample: 216774 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
2,3,4,6-Tetrachlorophenol		<0.25	mg/Kg	1	0.25
Fluorene		<0.25	mg/Kg	1	0.25
Diethylphthalate		<0.25	mg/Kg	1	0.25
4-Chlorophenyl-phenylether		<0.25	mg/Kg	1	0.25
4-Nitroaniline		<0.25	mg/Kg	1	0.25
4,6-Dinitro-2-methylphenol		<0.25	mg/Kg	1	0.25
Diphenylamine		<0.25	mg/Kg	1	0.25
Diphenylhydrazine		<0.25	mg/Kg	1	0.25
4-Bromophenyl-phenylether		<0.25	mg/Kg	1	0.25
Phenacetin		<0.25	mg/Kg	1	0.25
Hexachlorobenzene		<0.25	mg/Kg	1	0.25
4-Aminobiphenyl		<0.25	mg/Kg	1	0.25
Pentachlorophenol		<0.25	mg/Kg	1	0.25
Pentachloronitrobenzene		<0.25	mg/Kg	1	0.25
Pronamide		<0.25	mg/Kg	1	0.25
Phenanthrene		<0.25	mg/Kg	1	0.25
Anthracene		33.3	mg/Kg	1	0.25
Di-n-butylphthalate		<0.25	mg/Kg	1	0.25
Fluoranthene		<0.25	mg/Kg	1	0.25
Benzidine		<0.25	mg/Kg	1	0.25
Pyrene		<0.25	mg/Kg	1	0.25
p-Dimethylaminoazobenzene		<0.25	mg/Kg	1	0.25
Butylbenzylphthalate		<0.25	mg/Kg	1	0.25
Benzo(a)anthracene		<0.25	mg/Kg	1	0.25
3,3-Dichlorobenzidine		<0.25	mg/Kg	1	0.25
Chrysene		6.37	mg/Kg	1	0.25
Bis (2-ethylhexyl) phthalate		<0.25	mg/Kg	1	0.25
Di-n-octylphthalate		<0.25	mg/Kg	1	0.25
Benzo(b)fluoranthene		<0.25	mg/Kg	1	0.25
7,12-Dimethylbenz(a)anthracene		<0.25	mg/Kg	1	0.25
Benzo(k)fluoranthene		<0.25	mg/Kg	1	0.25
Benzo(a)pyrene		<0.25	mg/Kg	1	0.25
3-Methylcholanthrene		<0.25	mg/Kg	1	0.25
Dibenzo(a,j)acridine		<0.25	mg/Kg	1	0.25
Indeno(1,2,3-cd)pyrene		<0.25	mg/Kg	1	0.25
Dibenzo(a,h)anthracene		<0.25	mg/Kg	1	0.25
Benzo(g,h,i)perylene		<0.25	mg/Kg	1	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	[7]	15.28	mg/Kg	1	80	19	25 - 121
Phenol-d5	[8]	6.86	mg/Kg	1	80	8	24 - 113
Nitrobenzene-d5	[9]	20.87	mg/Kg	1	80	26	23 - 120
2-Fluorobiphenyl	[10]	27.22	mg/Kg	1	80	34	30 - 115
2,4,6-Tribromophenol	[11]	0	mg/Kg	1	80	0	19 - 122
Terphenyl-d14		36.17	mg/Kg	1	80	45	28 - 137

[7]Sample surrogate recovery out of range due to sample matrix.
[8]Sample surrogate recovery out of range due to sample matrix.
[9]Sample surrogate recovery out of range due to sample matrix.
[10]Sample surrogate recovery out of range due to sample matrix.
[11]Sample surrogate recovery out of range due to sample matrix.

Sample: 216774 - 1218020915

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC25875	Date Analyzed:	12/29/02
Analyst:	RR	Preparation Method:	S 3050B	Prep Batch:	PB23925	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Total Aluminum		4000	mg/Kg	100	0.10
Total Arsenic		5.39	mg/Kg	100	0.05
Total Barium		421	mg/Kg	100	0.10
Total Boron		6.04	mg/Kg	100	0.005
Total Cadmium		<0.500	mg/Kg	100	0.005
Total Calcium		41800	mg/Kg	1	0.50
Total Chromium		23.8	mg/Kg	100	0.01
Total Cobalt		<2.50	mg/Kg	100	0.02
Total Copper		20.8	mg/Kg	100	0.01
Total Iron		6890	mg/Kg	100	0.05
Total Lead		25.8	mg/Kg	100	0.01
Total Magnesium		1000	mg/Kg	1	0.50
Total Manganese		47.6	mg/Kg	100	0.02
Total Molybdenum		<5.00	mg/Kg	100	0.05
Total Nickel		6.91	mg/Kg	100	0.02
Total Potassium		762	mg/Kg	1	0.50
Total Selenium		<1.00	mg/Kg	100	0.01
Total Silica		115	mg/Kg	100	0.05
Total Silver		<0.200	mg/Kg	100	0.002
Total Sodium		447	mg/Kg	1	0.50
Total Zinc		85.8	mg/Kg	100	0.02

Sample: 216774 - 1218020915

Analysis:	Volatiles	Analytical Method:	S 8260B	QC Batch:	QC25947	Date Analyzed:	12/29/02
Analyst:	JG	Preparation Method:	E 5030B	Prep Batch:	PB24023	Date Prepared:	12/29/02

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1
Vinyl Chloride		<500	µg/Kg	500	1
Bromomethane (methyl bromide)		<2500	µg/Kg	500	5
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone		<5000	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		<500	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1

Continued ...

... *Continued* Sample: 216774 Analysis: Volatiles

Param	Flag	Result	Units	Dilution	RDL
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		13900	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		5890	µg/Kg	500	1
1,1,2-Trichloroethane		<500	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		41700	µg/Kg	500	1
m,p-Xylene		47600	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
o-Xylene		7680	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		8690	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		12500	µg/Kg	500	1
1,3,5-Trimethylbenzene		10500	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1
1,2,4-Trimethylbenzene		33400	µg/Kg	500	1
1,4-Dichlorobenzene (para)		<500	µg/Kg	500	1
sec-Butylbenzene		4720	µg/Kg	500	1
1,3-Dichlorobenzene (meta)		<500	µg/Kg	500	1
p-Isopropyltoluene		3110	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		5310	µg/Kg	500	1
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		10300	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		41.3	µg/Kg	500	50	82	45 - 105

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8	[12]	53.4	µg/Kg	500	50	106	92 - 106
4-Bromofluorobenzene		55.4	µg/Kg	500	50	110	84 - 115

Sample: 216774 - 1218020915

Analysis:	pH	Analytical Method:	E 150.1	QC Batch:	QC25936	Date Analyzed:	12/27/02
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB24015	Date Prepared:	12/27/02

Param	Flag	Result	Units	Dilution	RDL
pH		8.0	s.u.	1	1

Sample: 216775 - 1218020940

Analysis:	Alkalinity	Analytical Method:	E 310.1	QC Batch:	QC25954	Date Analyzed:	1/2/03
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB24025	Date Prepared:	1/2/03

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/L as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/L as CaCo3	1	1
Bicarbonate Alkalinity		110	mg/L as CaCo3	1	4
Total Alkalinity		110	mg/L as CaCo3	1	4

Sample: 216775 - 1218020940

Analysis:	Conductivity	Analytical Method:	SM 2510B	QC Batch:	QC26074	Date Analyzed:	1/8/03
Analyst:	JSW	Preparation Method:	N/A	Prep Batch:	PB24116	Date Prepared:	1/8/03

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		937	µMHOS/cm	1	

Sample: 216775 - 1218020940

Analysis:	Corrosivity	Analytical Method:	S 1110	QC Batch:	QC25828	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23933	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		Non-corrosive	mm/yr	10	
pH		7.5	s.u.	10	

Sample: 216775 - 1218020940

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC25879	Date Analyzed:	12/27/02
Analyst:	BC	Preparation Method:	N/A	Prep Batch:	PB23968	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		0.46	mg/Kg	1	0.25

[12]high surrogate recovery due to matrix effect.

Sample: 216775 - 1218020940

Analysis:	Ignitability	Analytical Method:	SW-846 Ch. 7.1	QC Batch:	QC25826	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23931	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		10	

Sample: 216775 - 1218020940

Analysis:	Ion Chromatography (IC)	Analytical Method:	E 300.0	QC Batch:	QC25902	Date Analyzed:	12/30/02
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB23983	Date Prepared:	12/30/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		87.1	mg/Kg	10	1
Fluoride		<1.0	mg/Kg	10	0.20
Nitrate-N		<1.0	mg/Kg	10	0.20
Sulfate		64.9	mg/Kg	10	1

Sample: 216775 - 1218020940

Analysis:	PCB	Analytical Method:	8082	QC Batch:	QC25771	Date Analyzed:	12/23/02
Analyst:	AG	Preparation Method:	3550	Prep Batch:	PB23879	Date Prepared:	12/23/02

Param	Flag	Result	Units	Dilution	RDL
PCB		<0.004	mg/Kg	0.16	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
deca chlorobiphenyl		0.0061	mg/Kg	0.16	0.01	38	0 - 183

Sample: 216775 - 1218020940

Analysis:	Pesticides	Analytical Method:	E 8081	QC Batch:	QC25833	Date Analyzed:	12/26/02
Analyst:	AG	Preparation Method:	3550	Prep Batch:	PB23879	Date Prepared:	12/23/02

Param	Flag	Result	Units	Dilution	RDL
alpha-BHC		<0.004	mg/Kg	0.16	0.02
gamma-BHC (Lindane)		<0.004	mg/Kg	0.16	0.02
beta-BHC		<0.004	mg/Kg	0.16	0.02
delta-BHC		<0.004	mg/Kg	0.16	0.02
Heptachlor		<0.004	mg/Kg	0.16	0.02
Aldrin		<0.004	mg/Kg	0.16	0.02
Heptachlor Epoxide		<0.004	mg/Kg	0.16	0.02
gamma-Chlordane		<0.004	mg/Kg	0.16	0.02
alpha-Chlordane		<0.004	mg/Kg	0.16	0.02
Endosulfan I		<0.004	mg/Kg	0.16	0.02
P,P-DDE		<0.004	mg/Kg	0.16	0.02
Dieldrin		<0.004	mg/Kg	0.16	0.02
Endrin		<0.004	mg/Kg	0.16	0.02
P,P-DDD		<0.004	mg/Kg	0.16	0.02
Endosulfan II		<0.004	mg/Kg	0.16	0.02

Continued ...

... *Continued* Sample: 216775 Analysis: Pesticides

Param	Flag	Result	Units	Dilution	RDL
p,p-DDT		<0.004	mg/Kg	0.16	0.02
Endrin aldehyde		<0.004	mg/Kg	0.16	0.02
Endosulfan sulfate		<0.004	mg/Kg	0.16	0.02
Methoxychlor		<0.004	mg/Kg	0.16	0.02
Endrin Ketone		<0.004	mg/Kg	0.16	0.02
Toxaphene		<0.050	mg/Kg	0.16	0.31
Technical Chlordane		<0.050	mg/Kg	0.16	0.31

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,5,6-Tetrachloro-m-xylene		0.014	mg/Kg	0.16	0.01	87	-
deca chlorobiphenyl		0.0105	mg/Kg	0.16	0.01	65	-

Sample: 216775 - 1218020940

Analysis: Reactivity Analytical Method: ASTM D 5049-90/4978-95 QC Batch: QC25829 Date Analyzed: 12/26/02
Analyst: JH Preparation Method: N/A Prep Batch: PB23934 Date Prepared: 12/26/02

Param	Flag	Result	Units	Dilution	RDL
Reactivity		Non-reactive		10	
Hydrogen Sulfide		<10	mg/Kg	10	
Hydrogen Cyanide		<2.5	mg/Kg	10	

Sample: 216775 - 1218020940

Analysis: Semivolatiles Analytical Method: S 8270C QC Batch: QC25987 Date Analyzed: 1/4/03
Analyst: RC Preparation Method: E 3510C Prep Batch: PB24057 Date Prepared: 12/19/02

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<2.50	mg/Kg	10	0.25
n-Nitrosodimethylamine		<2.50	mg/Kg	10	0.25
2-Picoline		<2.50	mg/Kg	10	0.25
Methyl methanesulfonate		<2.50	mg/Kg	10	0.25
Ethyl methanesulfonate		<2.50	mg/Kg	10	0.25
Phenol		<2.50	mg/Kg	10	0.25
Aniline		<2.50	mg/Kg	10	0.25
bis (2-chloroethyl) ether		<2.50	mg/Kg	10	0.25
2-Chlorophenol		<2.50	mg/Kg	10	0.25
1,3-Dichlorobenzene (meta)		<2.50	mg/Kg	10	0.25
1,4-Dichlorobenzene		<2.50	mg/Kg	10	0.25
Benzyl alcohol		<2.50	mg/Kg	10	0.25
1,2-Dichlorobenzene		<2.50	mg/Kg	10	0.25
2-Methylphenol		<2.50	mg/Kg	10	0.25
bis (2-chloroisopropyl) ether		<2.50	mg/Kg	10	0.25
4-Methylphenol/3-Methylphenol		<2.50	mg/Kg	10	0.25
Acetophenone		<2.50	mg/Kg	10	0.25
n-Nitrosodi-n-propylamine		<2.50	mg/Kg	10	0.25
Hexachloroethane		<2.50	mg/Kg	10	0.25
Nitrobenzene		<2.50	mg/Kg	10	0.25
n-Nitrosopiperidine		<2.50	mg/Kg	10	0.25

Continued ...

... *Continued* Sample: 216775 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
Isophorone		<2.50	mg/Kg	10	0.25
2-Nitrophenol		<2.50	mg/Kg	10	0.25
2,4-Dimethylphenol		<2.50	mg/Kg	10	0.25
bis (2-chloroethoxy) methane		<2.50	mg/Kg	10	0.25
Benzoic acid		<2.50	mg/Kg	10	0.25
2,4-Dichlorophenol		<2.50	mg/Kg	10	0.25
1,2,4-Trichlorobenzene		<2.50	mg/Kg	10	0.25
a,a-Dimethylphenethylamine		<2.50	mg/Kg	10	0.25
Naphthalene		7.00	mg/Kg	10	0.25
4-Chloroaniline		<2.50	mg/Kg	10	0.25
2,6-Dichlorophenol		<2.50	mg/Kg	10	0.25
Hexachlorobutadiene		<2.50	mg/Kg	10	0.25
n-Nitroso-di-n-butylamine		<2.50	mg/Kg	10	0.25
4-Chloro-3-methylphenol		<2.50	mg/Kg	10	0.25
1-Methylnaphthalene		16.3	mg/Kg	10	0.25
2-Methylnaphthalene		17.2	mg/Kg	10	0.25
1,2,4,5-Tetrachlorobenzene		<2.50	mg/Kg	10	0.25
Hexachlorocyclopentadiene		<2.50	mg/Kg	10	0.25
2,4,6-Trichlorophenol		<2.50	mg/Kg	10	0.25
2,4,5-Trichlorophenol		<2.50	mg/Kg	10	0.25
2-Chloronaphthalene		<2.50	mg/Kg	10	0.25
1-Chloronaphthalene		<2.50	mg/Kg	10	0.25
2-Nitroaniline		<2.50	mg/Kg	10	0.25
Dimethylphthalate		<2.50	mg/Kg	10	0.25
Acenaphthylene		<2.50	mg/Kg	10	0.25
2,6-Dinitrotoluene		<2.50	mg/Kg	10	0.25
3-Nitroaniline		<2.50	mg/Kg	10	0.25
Acenaphthene		<2.50	mg/Kg	10	0.25
2,4-Dinitrophenol		<2.50	mg/Kg	10	0.25
Dibenzofuran		<2.50	mg/Kg	10	0.25
Pentachlorobenzene		<2.50	mg/Kg	10	0.25
4-Nitrophenol		<2.50	mg/Kg	10	0.25
1-Naphthylamine		<2.50	mg/Kg	10	0.25
2,4-Dinitrotoluene		<2.50	mg/Kg	10	0.25
2-Naphthylamine		<2.50	mg/Kg	10	0.25
2,3,4,6-Tetrachlorophenol		<2.50	mg/Kg	10	0.25
Fluorene		<2.50	mg/Kg	10	0.25
Diethylphthalate		<2.50	mg/Kg	10	0.25
4-Chlorophenyl-phenylether		<2.50	mg/Kg	10	0.25
4-Nitroaniline		<2.50	mg/Kg	10	0.25
4,6-Dinitro-2-methylphenol		<2.50	mg/Kg	10	0.25
Diphenylamine		<2.50	mg/Kg	10	0.25
Diphenylhydrazine		<2.50	mg/Kg	10	0.25
4-Bromophenyl-phenylether		<2.50	mg/Kg	10	0.25
Phenacetin		<2.50	mg/Kg	10	0.25
Hexachlorobenzene		<2.50	mg/Kg	10	0.25
4-Aminobiphenyl		<2.50	mg/Kg	10	0.25
Pentachlorophenol		<2.50	mg/Kg	10	0.25
Pentachloronitrobenzene		<2.50	mg/Kg	10	0.25
Pronamide		<2.50	mg/Kg	10	0.25
Phenanthrene		<2.50	mg/Kg	10	0.25
Anthracene		9.24	mg/Kg	10	0.25
Di-n-butylphthalate		<2.50	mg/Kg	10	0.25

Continued ...

... *Continued* Sample: 216775 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
Fluoranthene		<2.50	mg/Kg	10	0.25
Benzidine		<2.50	mg/Kg	10	0.25
Pyrene		<2.50	mg/Kg	10	0.25
p-Dimethylaminoazobenzene		<2.50	mg/Kg	10	0.25
Butylbenzylphthalate		<2.50	mg/Kg	10	0.25
Benzo(a)anthracene		<2.50	mg/Kg	10	0.25
3,3-Dichlorobenzidine		<2.50	mg/Kg	10	0.25
Chrysene		3.09	mg/Kg	10	0.25
Bis (2-ethylhexyl) phthalate		<2.50	mg/Kg	10	0.25
Di-n-octylphthalate		<2.50	mg/Kg	10	0.25
Benzo(b)fluoranthene		<2.50	mg/Kg	10	0.25
7,12-Dimethylbenz(a)anthracene		<2.50	mg/Kg	10	0.25
Benzo(k)fluoranthene		<2.50	mg/Kg	10	0.25
Benzo(a)pyrene		<2.50	mg/Kg	10	0.25
3-Methylcholanthrene		<2.50	mg/Kg	10	0.25
Dibenzo(a,j)acridine		<2.50	mg/Kg	10	0.25
Indeno(1,2,3-cd)pyrene		<2.50	mg/Kg	10	0.25
Dibenzo(a,h)anthracene		<2.50	mg/Kg	10	0.25
Benzo(g,h,i)perylene		<2.50	mg/Kg	10	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	[13]	14.19	mg/Kg	10	80	17	25 - 121
Phenol-d5	[14]	2.5	mg/Kg	10	80	3	24 - 113
Nitrobenzene-d5	[15]	19.52	mg/Kg	10	80	24	23 - 120
2-Fluorobiphenyl	[16]	10.71	mg/Kg	10	80	13	30 - 115
2,4,6-Tribromophenol	[17]	0	mg/Kg	10	80	0	19 - 122
Terphenyl-d14	[18]	18.31	mg/Kg	10	80	22	28 - 137

Sample: 216775 - 1218020940

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC25875	Date Analyzed:	12/29/02
Analyst:	RR	Preparation Method:	S 3050B	Prep Batch:	PB23925	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Total Aluminum		850	mg/Kg	10	0.10
Total Arsenic		5.5	mg/Kg	10	0.05
Total Barium		190	mg/Kg	10	0.10
Total Boron		126	mg/Kg	10	0.005
Total Cadmium		<0.500	mg/Kg	10	0.005
Total Calcium		2920	mg/Kg	10	0.50
Total Chromium		9.03	mg/Kg	10	0.01
Total Cobalt		<2.50	mg/Kg	10	0.02
Total Copper		12.5	mg/Kg	10	0.01
Total Iron		10900	mg/Kg	10	0.05

Continued ...

[13]Sample surrogate recovery out of range due to sample matrix.
[14]Sample surrogate recovery out of range due to sample matrix.
[15]Sample surrogate recovery out of range due to sample matrix.
[16]Sample surrogate recovery out of range due to sample matrix.
[17]Sample surrogate recovery out of range due to sample matrix.
[18]Sample surrogate recovery out of range due to sample matrix.

... *Continued* Sample: 216775 Analysis: Total Metals

Param	Flag	Result	Units	Dilution	RDL
Total Lead		24.9	mg/Kg	10	0.01
Total Magnesium		233	mg/Kg	10	0.50
Total Manganese		95.2	mg/Kg	10	0.02
Total Molybdenum		<5.00	mg/Kg	10	0.05
Total Nickel		8.81	mg/Kg	10	0.02
Total Potassium		203	mg/Kg	10	0.50
Total Selenium		<1.00	mg/Kg	10	0.01
Total Silica		78.7	mg/Kg	10	0.05
Total Silver		<0.200	mg/Kg	10	0.002
Total Sodium		377	mg/Kg	10	0.50
Total Zinc		92.3	mg/Kg	10	0.02

Sample: 216775 - 1218020940

Analysis:	Volatiles	Analytical Method:	S 8260B	QC Batch:	QC25947	Date Analyzed:	12/29/02
Analyst:	JG	Preparation Method:	E 5030B	Prep Batch:	PB24023	Date Prepared:	12/29/02

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1
Vinyl Chloride		<500	µg/Kg	500	1
Bromomethane (methyl bromide)		<2500	µg/Kg	500	5
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone		<5000	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		<500	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		2700	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1

Continued ...

... *Continued* Sample: 216775 Analysis: Volatiles

Param	Flag	Result	Units	Dilution	RDL
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		570	µg/Kg	500	1
1,1,2-Trichloroethane		<500	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		15400	µg/Kg	500	1
m,p-Xylene		2420	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
o-Xylene		696	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		4500	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		5620	µg/Kg	500	1
1,3,5-Trimethylbenzene		630	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1
1,2,4-Trimethylbenzene		5070	µg/Kg	500	1
1,4-Dichlorobenzene (para)		<500	µg/Kg	500	1
sec-Butylbenzene		2810	µg/Kg	500	1
1,3-Dichlorobenzene (meta)		<500	µg/Kg	500	1
p-Isopropyltoluene		799	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		2990	µg/Kg	500	1
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		5130	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		40.8	µg/Kg	500	50	81	45 - 105
Toluene-d8		50.3	µg/Kg	500	50	100	92 - 106
4-Bromofluorobenzene		49.8	µg/Kg	500	50	99	84 - 115

Sample: 216775 - 1218020940

Analysis:	pH	Analytical Method:	E 150.1	QC Batch:	QC25936	Date Analyzed:	12/27/02
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB24015	Date Prepared:	12/27/02

Param	Flag	Result	Units	Dilution	RDL
pH		7.6	s.u.	1	1

Sample: 216776 - 1218021000

Analysis:	Alkalinity	Analytical Method:	E 310.1	QC Batch:	QC25954	Date Analyzed:	1/2/03
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB24025	Date Prepared:	1/2/03

Param	Flag	Result	Units	Dilution	RDL
Hydroxide Alkalinity		<1.0	mg/L as CaCo3	1	1
Carbonate Alkalinity		<1.0	mg/L as CaCo3	1	1
Bicarbonate Alkalinity		83.3	mg/L as CaCo3	1	4
Total Alkalinity		83.3	mg/L as CaCo3	1	4

Sample: 216776 - 1218021000

Analysis:	Conductivity	Analytical Method:	SM 2510B	QC Batch:	QC26074	Date Analyzed:	1/8/03
Analyst:	JSW	Preparation Method:	N/A	Prep Batch:	PB24116	Date Prepared:	1/8/03

Param	Flag	Result	Units	Dilution	RDL
Specific Conductance		3890	μMHOS/cm	1	

Sample: 216776 - 1218021000

Analysis:	Corrosivity	Analytical Method:	S 1110	QC Batch:	QC25828	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23933	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		Non-corrosive	mm/yr	10	
pH		7.5	s.u.	10	

Sample: 216776 - 1218021000

Analysis:	Hg, Total	Analytical Method:	S 7471A	QC Batch:	QC25879	Date Analyzed:	12/27/02
Analyst:	BC	Preparation Method:	N/A	Prep Batch:	PB23968	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		3.86	mg/Kg	1	0.25

Sample: 216776 - 1218021000

Analysis:	Ignitability	Analytical Method:	SW-846 Ch. 7.1	QC Batch:	QC25826	Date Analyzed:	12/26/02
Analyst:	JH	Preparation Method:	N/A	Prep Batch:	PB23931	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		10	

Sample: 216776 - 1218021000

Analysis:	Ion Chromatography (IC)	Analytical Method:	E 300.0	QC Batch:	QC25902	Date Analyzed:	12/30/02
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB23983	Date Prepared:	12/30/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		814	mg/Kg	10	1

Continued ...

... *Continued* Sample: 216776 Analysis: Ion Chromatography (IC)

Param	Flag	Result	Units	Dilution	RDL
Fluoride		<1.0	mg/Kg	10	0.20
Nitrate-N		<1.0	mg/Kg	10	0.20
Sulfate		15.1	mg/Kg	10	1

Sample: 216776 - 1218021000

Analysis:	PCB	Analytical Method:	8082	QC Batch:	QC25771	Date Analyzed:	12/23/02
Analyst:	AG	Preparation Method:	3550	Prep Batch:	PB23879	Date Prepared:	12/23/02

Param	Flag	Result	Units	Dilution	RDL
PCB		<0.004	mg/Kg	0.16	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
deca chlorobiphenyl		0.0116	mg/Kg	0.16	0.01	72	0 - 183

Sample: 216776 - 1218021000

Analysis:	Pesticides	Analytical Method:	E 8081	QC Batch:	QC25833	Date Analyzed:	12/26/02
Analyst:	AG	Preparation Method:	3550	Prep Batch:	PB23879	Date Prepared:	12/23/02

Param	Flag	Result	Units	Dilution	RDL
alpha-BHC		<0.004	mg/Kg	0.16	0.02
gamma-BHC (Lindane)		<0.004	mg/Kg	0.16	0.02
beta-BHC		<0.004	mg/Kg	0.16	0.02
delta-BHC		<0.004	mg/Kg	0.16	0.02
Heptachlor		<0.004	mg/Kg	0.16	0.02
Aldrin		<0.004	mg/Kg	0.16	0.02
Heptachlor Epoxide		<0.004	mg/Kg	0.16	0.02
gamma-Chlordane		<0.004	mg/Kg	0.16	0.02
alpha-Chlordane		<0.004	mg/Kg	0.16	0.02
Endosulfan I		<0.004	mg/Kg	0.16	0.02
P,P-DDE		<0.004	mg/Kg	0.16	0.02
Dieldrin		<0.004	mg/Kg	0.16	0.02
Endrin		<0.004	mg/Kg	0.16	0.02
P,P-DDD		<0.004	mg/Kg	0.16	0.02
Endosulfan II		<0.004	mg/Kg	0.16	0.02
p,p-DDT		<0.004	mg/Kg	0.16	0.02
Endrin aldehyde		<0.004	mg/Kg	0.16	0.02
Endosulfan sulfate		<0.004	mg/Kg	0.16	0.02
Methoxychlor		<0.004	mg/Kg	0.16	0.02
Endrin Ketone		<0.004	mg/Kg	0.16	0.02
Toxaphene		<0.050	mg/Kg	0.16	0.31
Technical Chlordane		<0.050	mg/Kg	0.16	0.31

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,5,6-Tetrachloro-m-xylene		0.0102	mg/Kg	0.16	0.01	63	-
deca chlorobiphenyl		0.0135	mg/Kg	0.16	0.01	84	-

Sample: 216776 - 1218021000

Analysis: Reactivity Analytical Method: ASTM D 5049-90/4978-95 QC Batch: QC25829 Date Analyzed: 12/26/02
Analyst: JH Preparation Method: N/A Prep Batch: PB23934 Date Prepared: 12/26/02

Param	Flag	Result	Units	Dilution	RDL
Reactivity		Non-reactive		10	
Hydrogen Sulfide		<10	mg/Kg	10	
Hydrogen Cyanide		<2.5	mg/Kg	10	

Sample: 216776 - 1218021000

Analysis: Semivolatiles Analytical Method: S 8270C QC Batch: QC25987 Date Analyzed: 1/4/03
Analyst: RC Preparation Method: E 3510C Prep Batch: PB24057 Date Prepared: 12/19/02

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<2.50	mg/Kg	10	0.25
n-Nitrosodimethylamine		<2.50	mg/Kg	10	0.25
2-Picoline		<2.50	mg/Kg	10	0.25
Methyl methanesulfonate		<2.50	mg/Kg	10	0.25
Ethyl methanesulfonate		<2.50	mg/Kg	10	0.25
Phenol		<2.50	mg/Kg	10	0.25
Aniline		<2.50	mg/Kg	10	0.25
bis (2-chloroethyl) ether		<2.50	mg/Kg	10	0.25
2-Chlorophenol		<2.50	mg/Kg	10	0.25
1,3-Dichlorobenzene (meta)		<2.50	mg/Kg	10	0.25
1,4-Dichlorobenzene		<2.50	mg/Kg	10	0.25
Benzyl alcohol		<2.50	mg/Kg	10	0.25
1,2-Dichlorobenzene		<2.50	mg/Kg	10	0.25
2-Methylphenol		<2.50	mg/Kg	10	0.25
bis (2-chloroisopropyl) ether		<2.50	mg/Kg	10	0.25
4-Methylphenol/3-Methylphenol		<2.50	mg/Kg	10	0.25
Acetophenone		<2.50	mg/Kg	10	0.25
n-Nitrosodi-n-propylamine		<2.50	mg/Kg	10	0.25
Hexachloroethane		<2.50	mg/Kg	10	0.25
Nitrobenzene		<2.50	mg/Kg	10	0.25
n-Nitrosopiperidine		<2.50	mg/Kg	10	0.25
Isophorone		<2.50	mg/Kg	10	0.25
2-Nitrophenol		<2.50	mg/Kg	10	0.25
2,4-Dimethylphenol		<2.50	mg/Kg	10	0.25
bis (2-chloroethoxy) methane		<2.50	mg/Kg	10	0.25
Benzoic acid		<2.50	mg/Kg	10	0.25
2,4-Dichlorophenol		<2.50	mg/Kg	10	0.25
1,2,4-Trichlorobenzene		<2.50	mg/Kg	10	0.25
a,a-Dimethylphenethylamine		<2.50	mg/Kg	10	0.25
Naphthalene		25.7	mg/Kg	10	0.25
4-Chloroaniline		<2.50	mg/Kg	10	0.25
2,6-Dichlorophenol		<2.50	mg/Kg	10	0.25
Hexachlorobutadiene		<2.50	mg/Kg	10	0.25
n-Nitroso-di-n-butylamine		<2.50	mg/Kg	10	0.25
4-Chloro-3-methylphenol		<2.50	mg/Kg	10	0.25
1-Methylnaphthalene		63.9	mg/Kg	10	0.25
2-Methylnaphthalene		61.2	mg/Kg	10	0.25
1,2,4,5-Tetrachlorobenzene		<2.50	mg/Kg	10	0.25
Hexachlorocyclopentadiene		<2.50	mg/Kg	10	0.25

Continued ...

... *Continued* Sample: 216776 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
2,4,6-Trichlorophenol		<2.50	mg/Kg	10	0.25
2,4,5-Trichlorophenol		<2.50	mg/Kg	10	0.25
2-Chloronaphthalene		<2.50	mg/Kg	10	0.25
1-Chloronaphthalene		<2.50	mg/Kg	10	0.25
2-Nitroaniline		<2.50	mg/Kg	10	0.25
Dimethylphthalate		<2.50	mg/Kg	10	0.25
Acenaphthylene		<2.50	mg/Kg	10	0.25
2,6-Dinitrotoluene		<2.50	mg/Kg	10	0.25
3-Nitroaniline		<2.50	mg/Kg	10	0.25
Acenaphthene		<2.50	mg/Kg	10	0.25
2,4-Dinitrophenol		<2.50	mg/Kg	10	0.25
Dibenzofuran		<2.50	mg/Kg	10	0.25
Pentachlorobenzene		<2.50	mg/Kg	10	0.25
4-Nitrophenol		<2.50	mg/Kg	10	0.25
1-Naphthylamine		<2.50	mg/Kg	10	0.25
2,4-Dinitrotoluene		<2.50	mg/Kg	10	0.25
2-Naphthylamine		<2.50	mg/Kg	10	0.25
2,3,4,6-Tetrachlorophenol		<2.50	mg/Kg	10	0.25
Fluorene		<2.50	mg/Kg	10	0.25
Diethylphthalate		<2.50	mg/Kg	10	0.25
4-Chlorophenyl-phenylether		<2.50	mg/Kg	10	0.25
4-Nitroaniline		<2.50	mg/Kg	10	0.25
4,6-Dinitro-2-methylphenol		<2.50	mg/Kg	10	0.25
Diphenylamine		<2.50	mg/Kg	10	0.25
Diphenylhydrazine		<2.50	mg/Kg	10	0.25
4-Bromophenyl-phenylether		<2.50	mg/Kg	10	0.25
Phenacetin		<2.50	mg/Kg	10	0.25
Hexachlorobenzene		<2.50	mg/Kg	10	0.25
4-Aminobiphenyl		<2.50	mg/Kg	10	0.25
Pentachlorophenol		<2.50	mg/Kg	10	0.25
Pentachloronitrobenzene		<2.50	mg/Kg	10	0.25
Pronamide		<2.50	mg/Kg	10	0.25
Phenanthrene		<2.50	mg/Kg	10	0.25
Anthracene		16.1	mg/Kg	10	0.25
Di-n-butylphthalate		<2.50	mg/Kg	10	0.25
Fluoranthene		<2.50	mg/Kg	10	0.25
Benzidine		<2.50	mg/Kg	10	0.25
Pyrene		<2.50	mg/Kg	10	0.25
p-Dimethylaminoazobenzene		<2.50	mg/Kg	10	0.25
Butylbenzylphthalate		<2.50	mg/Kg	10	0.25
Benzo(a)anthracene		<2.50	mg/Kg	10	0.25
3,3-Dichlorobenzidine		<2.50	mg/Kg	10	0.25
Chrysene		3.66	mg/Kg	10	0.25
Bis (2-ethylhexyl) phthalate		<2.50	mg/Kg	10	0.25
Di-n-octylphthalate		<2.50	mg/Kg	10	0.25
Benzo(b)fluoranthene		<2.50	mg/Kg	10	0.25
7,12-Dimethylbenz(a)anthracene		<2.50	mg/Kg	10	0.25
Benzo(k)fluoranthene		<2.50	mg/Kg	10	0.25
Benzo(a)pyrene		<2.50	mg/Kg	10	0.25
3-Methylcholanthrene		<2.50	mg/Kg	10	0.25
Dibenzo(a,j)acridine		<2.50	mg/Kg	10	0.25
Indeno(1,2,3-cd)pyrene		<2.50	mg/Kg	10	0.25
Dibenzo(a,h)anthracene		<2.50	mg/Kg	10	0.25

Continued ...

... *Continued* Sample: 216776 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
Benzo(g,h,i)perylene		<2.50	mg/Kg	10	0.25
Test Comments		<2.50	mg/Kg	10	

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol	[19]	13.83	mg/Kg	10	80	17	25 - 121
Phenol-d5		35.8	mg/Kg	10	80	44	24 - 113
Nitrobenzene-d5		42.21	mg/Kg	10	80	52	23 - 120
2-Fluorobiphenyl	[20]	15	mg/Kg	10	80	18	30 - 115
2,4,6-Tribromophenol	[21]	0	mg/Kg	10	80	0	19 - 122
Terphenyl-d14	[22]	24.28	mg/Kg	10	80	30	28 - 137

Sample: 216776 - 1218021000

Analysis:	Total Metals	Analytical Method:	S 6010B	QC Batch:	QC25875	Date Analyzed:	12/29/02
Analyst:	RR	Preparation Method:	S 3050B	Prep Batch:	PB23925	Date Prepared:	12/26/02

Param	Flag	Result	Units	Dilution	RDL
Total Aluminum		550	mg/Kg	10	0.10
Total Arsenic		25.1	mg/Kg	10	0.05
Total Barium		1170	mg/Kg	10	0.10
Total Boron		4.53	mg/Kg	10	0.005
Total Cadmium		1.44	mg/Kg	10	0.005
Total Calcium		7940	mg/Kg	10	0.50
Total Chromium		19	mg/Kg	10	0.01
Total Cobalt		3.01	mg/Kg	10	0.02
Total Copper		58.8	mg/Kg	10	0.01
Total Iron		21500	mg/Kg	10	0.05
Total Lead		122	mg/Kg	10	0.01
Total Magnesium		861	mg/Kg	10	0.50
Total Manganese		95.2	mg/Kg	10	0.02
Total Molybdenum		<5.00	mg/Kg	10	0.05
Total Nickel		19	mg/Kg	10	0.02
Total Potassium		246	mg/Kg	10	0.50
Total Selenium		<1.00	mg/Kg	10	0.01
Total Silica		78.7	mg/Kg	10	0.05
Total Silver		<0.200	mg/Kg	10	0.002
Total Sodium		1620	mg/Kg	10	0.50
Total Zinc		430	mg/Kg	10	0.02

Sample: 216776 - 1218021000

Analysis:	Volatiles	Analytical Method:	S 8260B	QC Batch:	QC25943	Date Analyzed:	12/30/02
Analyst:	JG	Preparation Method:	E 5030B	Prep Batch:	PB24020	Date Prepared:	12/30/02

[19]Sample surrogate recovery out of range due to sample matrix.
[20]Sample surrogate recovery out of range due to sample matrix.
[21]Sample surrogate recovery out of range due to sample matrix.
[22]Sample surrogate recovery out of range due to sample matrix.

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<1000	µg/Kg	1000	1
Dichlorodifluoromethane		<1000	µg/Kg	1000	1
Chloromethane (methyl chloride)		<1000	µg/Kg	1000	1
Vinyl Chloride		<1000	µg/Kg	1000	1
Bromomethane (methyl bromide)		<5000	µg/Kg	1000	5
Chloroethane		<1000	µg/Kg	1000	1
Trichlorofluoromethane		<1000	µg/Kg	1000	1
Acetone		<10000	µg/Kg	1000	10
Iodomethane (methyl iodide)		<5000	µg/Kg	1000	5
Carbon Disulfide		<1000	µg/Kg	1000	1
Acrylonitrile		<1000	µg/Kg	1000	1
2-Butanone (MEK)		<5000	µg/Kg	1000	5
4-methyl-2-pentanone (MIBK)		<5000	µg/Kg	1000	5
2-hexanone		<5000	µg/Kg	1000	5
trans 1,4-Dichloro-2-butene		<10000	µg/Kg	1000	10
1,1-Dichloroethene		<1000	µg/Kg	1000	1
Methylene chloride		<5000	µg/Kg	1000	5
MTBE		<1000	µg/Kg	1000	1
trans-1,2-Dichloroethene		<1000	µg/Kg	1000	1
1,1-Dichloroethane		<1000	µg/Kg	1000	1
cis-1,2-Dichloroethene		<1000	µg/Kg	1000	1
2,2-Dichloropropane		<1000	µg/Kg	1000	1
1,2-Dichloroethane (EDC)		<1000	µg/Kg	1000	1
Chloroform		<1000	µg/Kg	1000	1
1,1,1-Trichloroethane		<1000	µg/Kg	1000	1
1,1-Dichloropropene		<1000	µg/Kg	1000	1
Benzene		54700	µg/Kg	1000	1
Carbon Tetrachloride		<1000	µg/Kg	1000	1
1,2-Dichloropropane		<1000	µg/Kg	1000	1
Trichloroethene (TCE)		<1000	µg/Kg	1000	1
Dibromomethane (methylene bromide)		<1000	µg/Kg	1000	1
Bromodichloromethane		<1000	µg/Kg	1000	1
2-Chloroethyl vinyl ether		<5000	µg/Kg	1000	5
cis-1,3-Dichloropropene		<1000	µg/Kg	1000	1
trans-1,3-Dichloropropene		<1000	µg/Kg	1000	1
Toluene		110000	µg/Kg	1000	1
1,1,2-Trichloroethane		<1000	µg/Kg	1000	1
1,3-Dichloropropane		<1000	µg/Kg	1000	1
Dibromochloromethane		<1000	µg/Kg	1000	1
1,2-Dibromoethane (EDB)		<1000	µg/Kg	1000	1
Tetrachloroethene (PCE)		<1000	µg/Kg	1000	1
Chlorobenzene		<1000	µg/Kg	1000	1
1,1,1,2-Tetrachloroethane		<1000	µg/Kg	1000	1
Ethylbenzene		82900	µg/Kg	1000	1
m,p-Xylene		119000	µg/Kg	1000	1
Bromoform		<1000	µg/Kg	1000	1
Styrene		<1000	µg/Kg	1000	1
o-Xylene		43300	µg/Kg	1000	1
1,1,2,2-Tetrachloroethane		<1000	µg/Kg	1000	1
2-Chlorotoluene		<1000	µg/Kg	1000	1
1,2,3-Trichloropropane		<1000	µg/Kg	1000	1
Isopropylbenzene		17300	µg/Kg	1000	1
Bromobenzene		<1000	µg/Kg	1000	1

Continued ...

... *Continued* Sample: 216776 Analysis: Volatiles

Param	Flag	Result	Units	Dilution	RDL
n-Propylbenzene		22800	µg/Kg	1000	1
1,3,5-Trimethylbenzene		23500	µg/Kg	1000	1
tert-Butylbenzene		<1000	µg/Kg	1000	1
1,2,4-Trimethylbenzene		66200	µg/Kg	1000	1
1,4-Dichlorobenzene (para)		<1000	µg/Kg	1000	1
sec-Butylbenzene		8620	µg/Kg	1000	1
1,3-Dichlorobenzene (meta)		<1000	µg/Kg	1000	1
p-Isopropyltoluene		5750	µg/Kg	1000	1
4-Chlorotoluene		<1000	µg/Kg	1000	1
1,2-Dichlorobenzene (ortho)		<1000	µg/Kg	1000	1
n-Butylbenzene		9060	µg/Kg	1000	1
1,2-Dibromo-3-chloropropane		<5000	µg/Kg	1000	5
1,2,3-Trichlorobenzene		<5000	µg/Kg	1000	5
1,2,4-Trichlorobenzene		<5000	µg/Kg	1000	5
Naphthalene		43800	µg/Kg	1000	5
Hexachlorobutadiene		<5000	µg/Kg	1000	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		39.0	µg/Kg	1000	50	78	45 - 105
Toluene-d8		50.2	µg/Kg	1000	50	100	92 - 106
4-Bromofluorobenzene		47.1	µg/Kg	1000	50	94	84 - 115

Sample: 216776 - 1218021000

Analysis:	pH	Analytical Method:	E 150.1	QC Batch:	QC25936	Date Analyzed:	12/27/02
Analyst:	RS	Preparation Method:	N/A	Prep Batch:	PB24015	Date Prepared:	12/27/02

Param	Flag	Result	Units	Dilution	RDL
pH		6.9	s.u.	1	1

Quality Control Report
Method Blank

Method Blank

QCBatch: QC25771

Param	Flag	Results	Units	Reporting Limit
PCB		<0.004	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
deca chlorobiphenyl		0.0134	mg/Kg	1	0.01	83	0 - 183

Method Blank

QCBatch: QC25833

Param	Flag	Results	Units	Reporting Limit
alpha-BHC		<0.004	mg/Kg	0.02
gamma-BHC (Lindane)		<0.004	mg/Kg	0.02
beta-BHC		<0.004	mg/Kg	0.02
delta-BHC		<0.004	mg/Kg	0.02
Heptachlor		<0.004	mg/Kg	0.02
Aldrin		<0.004	mg/Kg	0.02
Heptachlor Epoxide		<0.004	mg/Kg	0.02
gamma-Chlordane		<0.004	mg/Kg	0.02
alpha-Chlordane		<0.004	mg/Kg	0.02
Endosulfan I		<0.004	mg/Kg	0.02
P,P-DDE		<0.004	mg/Kg	0.02
Dieldrin		<0.004	mg/Kg	0.02
Endrin		<0.004	mg/Kg	0.02
P,P-DDD		<0.004	mg/Kg	0.02
Endosulfan II		<0.004	mg/Kg	0.02
p,p-DDT		<0.004	mg/Kg	0.02
Endrin aldehyde		<0.004	mg/Kg	0.02
Endosulfan sulfate		<0.004	mg/Kg	0.02
Methoxychlor		<0.004	mg/Kg	0.02
Endrin Ketone		<0.004	mg/Kg	0.02
Toxaphene		<0.050	mg/Kg	0.31
Technical Chlordane		<0.050	mg/Kg	0.31

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,5,6-Tetrachloro-m-xylene		0.0042	mg/Kg	1	0.01	26	-
deca chlorobiphenyl		0.0147	mg/Kg	1	0.01	91	-

Method Blank

QCBatch: QC25875

Param	Flag	Results	Units	Reporting Limit
Total Aluminum		<10.0	mg/Kg	0.10
Total Arsenic		<5.00	mg/Kg	0.05
Total Barium		<10.0	mg/Kg	0.10
Total Boron		<0.500	mg/Kg	0.005
Total Cadmium		<0.500	mg/Kg	0.005
Total Calcium		85.4	mg/Kg	0.50
Total Chromium		<1.00	mg/Kg	0.01
Total Cobalt		<2.50	mg/Kg	0.02
Total Copper		<1.25	mg/Kg	0.01
Total Iron		<5.00	mg/Kg	0.05
Total Lead		<1.00	mg/Kg	0.01
Total Magnesium		<50	mg/Kg	0.50
Total Manganese		<2.50	mg/Kg	0.02
Total Molybdenum		<5.00	mg/Kg	0.05
Total Nickel		<2.50	mg/Kg	0.02
Total Potassium		<50	mg/Kg	0.50
Total Selenium		<1.00	mg/Kg	0.01
Total Silica		<5.00	mg/Kg	0.05
Total Silver		<0.200	mg/Kg	0.002
Total Sodium		94.8	mg/Kg	0.50
Total Zinc		<2.50	mg/Kg	0.02

Method Blank

QCBatch: QC25902

Param	Flag	Results	Units	Reporting Limit
Chloride		<1.0	mg/Kg	1
Fluoride		<0.2	mg/Kg	0.20
Nitrate-N		<0.2	mg/Kg	0.20
Sulfate		<1.0	mg/Kg	1

Method Blank

QCBatch: QC25943

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<10.0	µg/Kg	1
Dichlorodifluoromethane		<10.0	µg/Kg	1
Chloromethane (methyl chloride)		<10.0	µg/Kg	1
Vinyl Chloride		<10.0	µg/Kg	1
Bromomethane (methyl bromide)		<50.0	µg/Kg	5
Chloroethane		<10.0	µg/Kg	1
Trichlorofluoromethane		<10.0	µg/Kg	1
Acetone		<100	µg/Kg	10
Iodomethane (methyl iodide)		<50.0	µg/Kg	5
Carbon Disulfide		<10.0	µg/Kg	1
Acrylonitrile		<10.0	µg/Kg	1
2-Butanone (MEK)		<50.0	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<50.0	µg/Kg	5
2-hexanone		<50.0	µg/Kg	5

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Param	Flag	Results	Units	Reporting Limit
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10
1,1-Dichloroethene		<10.0	µg/Kg	1
Methylene chloride		<50.0	µg/Kg	5
MTBE		26.2	µg/Kg	1
trans-1,2-Dichloroethene		<10.0	µg/Kg	1
1,1-Dichloroethane		<10.0	µg/Kg	1
cis-1,2-Dichloroethene		<10.0	µg/Kg	1
2,2-Dichloropropane		<10.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1
Chloroform		<10.0	µg/Kg	1
1,1,1-Trichloroethane		<10.0	µg/Kg	1
1,1-Dichloropropene		<10.0	µg/Kg	1
Benzene		<10.0	µg/Kg	1
Carbon Tetrachloride		<10.0	µg/Kg	1
1,2-Dichloropropane		<10.0	µg/Kg	1
Trichloroethene (TCE)		<10.0	µg/Kg	1
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1
Bromodichloromethane		<10.0	µg/Kg	1
2-Chloroethyl vinyl ether		<50.0	µg/Kg	5
cis-1,3-Dichloropropene		<10.0	µg/Kg	1
trans-1,3-Dichloropropene		<10.0	µg/Kg	1
Toluene		<10.0	µg/Kg	1
1,1,2-Trichloroethane		<10.0	µg/Kg	1
1,3-Dichloropropane		<10.0	µg/Kg	1
Dibromochloromethane		<10.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1
Tetrachloroethene (PCE)		<10.0	µg/Kg	1
Chlorobenzene		<10.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1
Ethylbenzene		<10.0	µg/Kg	1
m,p-Xylene		<10.0	µg/Kg	1
Bromoform		<10.0	µg/Kg	1
Styrene		<10.0	µg/Kg	1
o-Xylene		<10.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1
2-Chlorotoluene		<10.0	µg/Kg	1
1,2,3-Trichloropropane		<10.0	µg/Kg	1
Isopropylbenzene		<10.0	µg/Kg	1
Bromobenzene		<10.0	µg/Kg	1
n-Propylbenzene		<10.0	µg/Kg	1
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1
tert-Butylbenzene		<10.0	µg/Kg	1
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1
sec-Butylbenzene		<10.0	µg/Kg	1
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1
p-Isopropyltoluene		<10.0	µg/Kg	1
4-Chlorotoluene		<10.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1
n-Butylbenzene		<10.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	5
1,2,3-Trichlorobenzene		<50.0	µg/Kg	5

Continued ...

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Param	Flag	Results	Units	Reporting Limit
1,2,4-Trichlorobenzene		<50.0	µg/Kg	5
Naphthalene		<50.0	µg/Kg	5
Hexachlorobutadiene		<50.0	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		28.2	µg/Kg	1	50	56	45 - 105
Toluene-d8		46.6	µg/Kg	1	50	93	92 - 106
4-Bromofluorobenzene		46.2	µg/Kg	1	50	92	84 - 115

Method Blank

QCBatch: QC25947

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<10.0	µg/Kg	1
Dichlorodifluoromethane		<10.0	µg/Kg	1
Chloromethane (methyl chloride)		<10.0	µg/Kg	1
Vinyl Chloride		<10.0	µg/Kg	1
Bromomethane (methyl bromide)		<50.0	µg/Kg	5
Chloroethane		<10.0	µg/Kg	1
Trichlorofluoromethane		<10.0	µg/Kg	1
Acetone		<100	µg/Kg	10
Iodomethane (methyl iodide)		<50.0	µg/Kg	5
Carbon Disulfide		<10.0	µg/Kg	1
Acrylonitrile		<10.0	µg/Kg	1
2-Butanone (MEK)		<50.0	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<50.0	µg/Kg	5
2-hexanone		<50.0	µg/Kg	5
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10
1,1-Dichloroethene		<10.0	µg/Kg	1
Methylene chloride		<50.0	µg/Kg	5
MTBE		32.8	µg/Kg	1
trans-1,2-Dichloroethene		<10.0	µg/Kg	1
1,1-Dichloroethane		<10.0	µg/Kg	1
cis-1,2-Dichloroethene		<10.0	µg/Kg	1
2,2-Dichloropropane		<10.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1
Chloroform		<10.0	µg/Kg	1
1,1,1-Trichloroethane		<10.0	µg/Kg	1
1,1-Dichloropropene		<10.0	µg/Kg	1
Benzene		<10.0	µg/Kg	1
Carbon Tetrachloride		<10.0	µg/Kg	1
1,2-Dichloropropane		<10.0	µg/Kg	1
Trichloroethene (TCE)		<10.0	µg/Kg	1
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1
Bromodichloromethane		<10.0	µg/Kg	1
2-Chloroethyl vinyl ether		<50.0	µg/Kg	5
cis-1,3-Dichloropropene		<10.0	µg/Kg	1
trans-1,3-Dichloropropene		<10.0	µg/Kg	1

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Param	Flag	Results	Units	Reporting Limit
Toluene		<10.0	µg/Kg	1
1,1,2-Trichloroethane		<10.0	µg/Kg	1
1,3-Dichloropropane		<10.0	µg/Kg	1
Dibromochloromethane		<10.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1
Tetrachloroethene (PCE)		<10.0	µg/Kg	1
Chlorobenzene		<10.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1
Ethylbenzene		<10.0	µg/Kg	1
m,p-Xylene		<10.0	µg/Kg	1
Bromoform		<10.0	µg/Kg	1
Styrene		<10.0	µg/Kg	1
o-Xylene		<10.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1
2-Chlorotoluene		<10.0	µg/Kg	1
1,2,3-Trichloropropane		<10.0	µg/Kg	1
Isopropylbenzene		<10.0	µg/Kg	1
Bromobenzene		<10.0	µg/Kg	1
n-Propylbenzene		<10.0	µg/Kg	1
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1
tert-Butylbenzene		<10.0	µg/Kg	1
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1
sec-Butylbenzene		<10.0	µg/Kg	1
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1
p-Isopropyltoluene		<10.0	µg/Kg	1
4-Chlorotoluene		<10.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1
n-Butylbenzene		<10.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	5
1,2,3-Trichlorobenzene		<50.0	µg/Kg	5
1,2,4-Trichlorobenzene		<50.0	µg/Kg	5
Naphthalene		<50.0	µg/Kg	5
Hexachlorobutadiene		<50.0	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		45.2	µg/Kg	1	50	90	45 - 105
Toluene-d8		51.5	µg/Kg	1	50	103	92 - 106
4-Bromofluorobenzene		45.1	µg/Kg	1	50	90	84 - 115

Method Blank

QCBatch: QC25954

Param	Flag	Results	Units	Reporting Limit
Hydroxide Alkalinity		<1.0	mg/L as CaCo3	1
Carbonate Alkalinity		<1.0	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.0	mg/L as CaCo3	4
Total Alkalinity		<4.0	mg/L as CaCo3	4

Method Blank QCBatch: QC26074

Param	Flag	Results	Units	Reporting Limit
Specific Conductance		7.73	µMHOS/cm	

Quality Control Report
Duplicate Samples

Duplicate QCBatch: QC25826

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Ignitability		non-ignitable	non-ignitable		1	0	20

Duplicate QCBatch: QC25936

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH		6.9	6.9	s.u.	1	0	1

Duplicate QCBatch: QC25954

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity		<1.0	<1.0	mg/L as CaCo3	1	0	20
Carbonate Alkalinity		<1.0	<1.0	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity		105	110	mg/L as CaCo3	1	4	20
Total Alkalinity		105	110	mg/L as CaCo3	1	4	20

Duplicate QCBatch: QC26074

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance		3880	3890	µMHOS/cm	1	0	4.3

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC25771

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
PCB	0.0354	0.0412	mg/Kg	1	0.06	<0.004	55	15	55 - 161	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
deca chlorobiphenyl	0.0099	0.0108	mg/Kg	1	0.01	61	67	0 - 183

Laboratory Control Spikes

QCBatch: QC25833

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
alpha-BHC	0.0138	0.0137	mg/Kg	1	0.01	<0.004	86	0	39 - 148	20
gamma-BHC (Lindane)	0.0138	0.0142	mg/Kg	1	0.01	<0.004	86	2	41 - 147	20
beta-BHC	0.0132	0.0120	mg/Kg	1	0.01	<0.004	82	9	44 - 144	20
delta-BHC	0.0150	0.0151	mg/Kg	1	0.01	<0.004	93	0	46 - 161	20
Heptachlor	0.0133	0.0130	mg/Kg	1	0.01	<0.004	83	2	0 - 40	20
Aldrin	0.0129	0.0128	mg/Kg	1	0.01	<0.004	80	0	0 - 35	20
Heptachlor Epoxide	0.0132	0.0129	mg/Kg	1	0.01	<0.004	82	2	0 - 28	20
gamma-Chlordane	0.0127	0.0126	mg/Kg	1	0.01	<0.004	79	0	39 - 146	20
alpha-Chlordane	0.0125	0.0124	mg/Kg	1	0.01	<0.004	78	0	39 - 147	20
Endosulfan I	0.0122	0.0122	mg/Kg	1	0.01	<0.004	76	0	0 - 19	20
P,P-DDE	0.0139	0.0138	mg/Kg	1	0.01	<0.004	86	0	0 - 66	20
Dieldrin	0.0126	0.0126	mg/Kg	1	0.01	<0.004	78	0	0 - 37	20
Endrin	0.0126	0.0126	mg/Kg	1	0.01	<0.004	78	0	1 - 26	20
P,P-DDD	0.0121	0.0119	mg/Kg	1	0.01	<0.004	75	1	0 - 24	20
Endosulfan II	0.0126	0.0123	mg/Kg	1	0.01	<0.004	78	2	0 - 45	20
p,p-DDT	0.0118	0.0122	mg/Kg	1	0.01	<0.004	73	3	0 - 160	20
Endrin aldehyde	0.0124	0.0124	mg/Kg	1	0.01	<0.004	77	0	0 - 30	20
Endosulfan sulfate	0.0107	0.0104	mg/Kg	1	0.01	<0.004	66	2	0 - 239	20
Methoxychlor	0.0137	0.0137	mg/Kg	1	0.01	<0.004	85	0	0 - 46	20
Endrin Ketone	0.0116	0.0120	mg/Kg	1	0.01	<0.004	72	3	0 - 107	20
Toxaphene	0.0989	0.0966	mg/Kg	1	0.12	<0.050	77	2	65 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2,4,5,6-Tetrachloro-m-xylene	0.0146	0.0142	mg/Kg	1	0.01	91	88	-
deca chlorobiphenyl	0.0168	0.0133	mg/Kg	1	0.01	105	83	-

Laboratory Control Spikes

QCBatch: QC25875

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Aluminum	102	102	mg/Kg	100	100	<10.0	102	0	80 - 120	20
Total Arsenic	45.9	45.3	mg/Kg	100	50	<5.00	91	1	80 - 120	20
Total Barium	95.3	93.6	mg/Kg	100	100	<10.0	95	1	80 - 120	20
Total Boron	4.66	4.71	mg/Kg	100	5	<0.500	93	1	80 - 120	20

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Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Cadmium	22.8	22.4	mg/Kg	100	25	<0.500	91	1	80 - 120	20
Total Calcium	9140	8970	mg/Kg	1	10000	85.4	91	1	80 - 120	20
Total Chromium	9.28	9.04	mg/Kg	100	10	<1.00	92	2	80 - 120	20
Total Cobalt	23.2	22.9	mg/Kg	100	25	<2.50	92	1	80 - 120	20
Total Copper	12.4	12.8	mg/Kg	100	12.50	<1.25	99	3	80 - 120	20
Total Iron	49.1	48.7	mg/Kg	100	50	<5.00	98	0	80 - 120	20
Total Lead	49.8	49.1	mg/Kg	100	50	<1.00	99	1	80 - 120	20
Total Magnesium	8770	8630	mg/Kg	1	10000	<50	87	1	80 - 120	20
Total Manganese	25.2	25.3	mg/Kg	100	25	<2.50	100	0	80 - 120	20
Total Molybdenum	49.5	48.8	mg/Kg	100	50	<5.00	99	1	80 - 120	20
Total Nickel	24.1	24.2	mg/Kg	100	25	<2.50	96	0	80 - 120	20
Total Potassium	9790	9500	mg/Kg	1	10000	<50	97	3	80 - 120	20
Total Selenium	42.1	40.7	mg/Kg	100	50	<1.00	84	3	80 - 120	20
Total Silica	50.0	49.6	mg/Kg	100	50	<5.00	100	0	80 - 120	20
Total Silver	11.6	11.5	mg/Kg	100	12.50	<0.200	92	0	80 - 120	20
Total Sodium	9320	9020	mg/Kg	1	10000	94.8	93	3	80 - 120	20
Total Zinc	24.2	24.5	mg/Kg	100	25	<2.50	96	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC25902

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	[23] 26.53	26.58	mg/Kg	1	12.50	<1.0	212	0	90 - 110	20
Fluoride	[24] 2.85	2.84	mg/Kg	1	2.50	<0.2	114	0	90 - 110	20
Nitrate-N	[25] 2.54	2.55	mg/Kg	1	2.50	<0.2	101	0	90 - 110	20
Sulfate	[26] 26.89	26.31	mg/Kg	1	12.50	<1.0	215	2	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC25943

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	1350	1390	µg/Kg	1	1250	<10.0	108	2	13 - 166	20
Benzene	1150	1260	µg/Kg	1	1250	<10.0	92	9	75 - 115	20
Trichloroethene (TCE)	1220	1180	µg/Kg	1	1250	<10.0	97	3	70 - 130	20
Toluene	1240	1360	µg/Kg	1	1250	<10.0	99	9	77 - 112	20
Chlorobenzene	1240	1230	µg/Kg	1	1250	<10.0	99	0	78 - 116	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	25.0	25.1	µg/Kg	1	50	50	50	45 - 105

Continued ...

[23] When soil blank is subtracted, LCS %EA is 92 and LCS rpd is 0
[24] When soil blank is subtracted, LCS %EA is 91 and LCS rpd is 0
[25] When soil blank is subtracted, LCS %EA is 92 and LCS rpd is 0
[26] When soil blank is subtracted, LCS %EA is 97 and LCS rpd is 2

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Toluene-d8	47.1	47.2	µg/Kg	1	50	94	94	92 - 106
4-Bromofluorobenzene	47.3	47.0	µg/Kg	1	50	95	94	84 - 115

Laboratory Control Spikes

QCBatch: QC25947

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	1320	1330	µg/Kg	1	1250	<10.0	105	0	13 - 166	20
Benzene	1250	1250	µg/Kg	1	1250	<10.0	100	0	75 - 115	20
Trichloroethene (TCE)	1200	1200	µg/Kg	1	1250	<10.0	96	0	70 - 130	20
Toluene	1220	1210	µg/Kg	1	1250	<10.0	97	0	77 - 112	20
Chlorobenzene	1250	1260	µg/Kg	1	1250	<10.0	100	0	78 - 116	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	37.8	38.8	µg/Kg	1	50	75	77	45 - 105
Toluene-d8	49.7	50.2	µg/Kg	1	50	99	100	92 - 106
4-Bromofluorobenzene	50.8	51.5	µg/Kg	1	50	101	103	84 - 115

Quality Control Report
Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC25771

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
PCB	< 0.025	< 0.025	mg/Kg	1	0.06	<0.004	30	2	0 - 203	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
deca chlorobiphenyl	0.0180	0.0182	mg/Kg	1	0.01	112	113	0 - 183

Matrix Spikes

QCBatch: QC25833

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
alpha-BHC	0.0115	0.0126	mg/Kg	1	0.01	<0.004	71	9	2 - 19	20
gamma-BHC (Lindane)	0.0106	0.0114	mg/Kg	1	0.01	<0.004	66	7	2 - 18	20
beta-BHC	0.0092	0.0098	mg/Kg	1	0.01	<0.004	57	6	0 - 21	20
delta-BHC	0.0130	0.0146	mg/Kg	1	0.01	<0.004	81	11	0 - 27	20

Continued ...

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Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Heptachlor	0.0117	0.0104	mg/Kg	1	0.01	<0.004	73	11	0 - 40	20
Aldrin	0.0116	0.0119	mg/Kg	1	0.01	<0.004	72	2	0 - 35	20
Heptachlor Epoxide	0.0112	0.0119	mg/Kg	1	0.01	<0.004	70	6	0 - 28	20
gamma-Chlordane	0.0116	0.0123	mg/Kg	1	0.01	<0.004	72	5	0 - 115	20
alpha-Chlordane	0.0107	0.0113	mg/Kg	1	0.01	<0.004	66	5	0 - 95	20
Endosulfan I	0.0105	0.0111	mg/Kg	1	0.01	<0.004	65	5	0 - 19	20
P,P-DDE	0.0121	0.0127	mg/Kg	1	0.01	<0.004	75	4	0 - 66	20
Dieldrin	0.0117	0.0123	mg/Kg	1	0.01	<0.004	73	5	0 - 37	20
Endrin	0.0116	0.0123	mg/Kg	1	0.01	<0.004	72	5	1 - 26	20
P,P-DDD	0.0111	0.0114	mg/Kg	1	0.01	<0.004	69	2	0 - 24	20
Endosulfan II	0.0095	0.0117	mg/Kg	1	0.01	<0.004	59	20	0 - 45	20
p,p-DDT	0.0103	0.0103	mg/Kg	1	0.01	<0.004	64	0	0 - 160	20
Endrin aldehyde	0.0117	0.0121	mg/Kg	1	0.01	<0.004	73	3	0 - 30	20
Endosulfan sulfate	0.0053	0.0049	mg/Kg	1	0.01	<0.004	33	7	0 - 239	20
Methoxychlor	0.0130	0.0135	mg/Kg	1	0.01	<0.004	81	3	0 - 46	20
Endrin Ketone	0.0119	0.0120	mg/Kg	1	0.01	<0.004	74	0	0 - 107	20
Toxaphene	0.0273	0.0267	mg/Kg	1	0.12	<0.050	21	2	2 - 212	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
2,4,5,6-Tetrachloro-m-xylene	0.0134	0.0144	mg/Kg	1	0.01	83	90	-
deca chlorobiphenyl	0.0135	0.0139	mg/Kg	1	0.01	84	86	-

Matrix Spikes

QCBatch: QC25875

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Aluminum	[27] 800	580	mg/Kg	100	100	330	470	61	75 - 125	20
Total Arsenic	62.6	61.8	mg/Kg	100	50	15.6	93	1	75 - 125	20
Total Barium	[28] 585	565	mg/Kg	100	100	455	130	16	75 - 125	20
Total Boron	8.67	8.28	mg/Kg	100	5	4.46	84	9	75 - 125	20
Total Cadmium	23.3	23.0	mg/Kg	100	25	1.09	88	1	75 - 125	20
Total Calcium	[29] 6550	[30] 5900	mg/Kg	1	10000	6050	5	371	75 - 125	20
Total Chromium	36.7	28.8	mg/Kg	100	10	25.7	110	112	75 - 125	20
Total Cobalt	24.0	23.7	mg/Kg	100	25	<2.50	96	1	75 - 125	20
Total Copper	[31] 56.4	53.8	mg/Kg	100	12.50	39.8	132	16	75 - 125	20
Total Iron	[32] 18700	19000	mg/Kg	100	50	19500	-1600	-46	75 - 125	20
Total Lead	[33] 166	195	mg/Kg	100	50	136	60	65	75 - 125	20

Continued ...

[27] Matrix spike recovery invalid due to matrix effects. LCS demonstrates process under control.
[28] Matrix spike recovery invalid due to matrix effects. LCS demonstrates process under control.
[29] MS RECOVERY INVALID DUE TO MATRIX EFFECT/DILUTION FACTOR
[30] MS RECOVERY INVALID DUE TO MATRIX EFFECT/DILUTION FACTOR
[31] Matrix spike recovery invalid due to matrix effects. LCS demonstrates process under control.
[32] Matrix spike recovery invalid due to matrix effects. LCS demonstrates process under control.
[33] Matrix spike recovery invalid due to matrix effects. LCS demonstrates process under control.

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Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Magnesium	[34] < 0.5	[35] < 0.5	mg/Kg	1	10000	681	-19	0	75 - 125	20
Total Manganese	[36] 126	109	mg/Kg	100	25	88.0	152	57	75 - 125	20
Total Molybdenum	48.6	48.8	mg/Kg	100	50	<5.00	97	0	75 - 125	20
Total Nickel	36.3	36.1	mg/Kg	100	25	13.9	89	0	75 - 125	20
Total Potassium	[37] < 0.5	[38] < 0.5	mg/Kg	1	10000	162	-7	-8	75 - 125	20
Total Selenium	37.9	39.5	mg/Kg	100	50	<1.00	75	4	75 - 125	20
Total Silica	[39] 223	209	mg/Kg	100	50	78.1	289	10	75 - 125	20
Total Silver	11.1	11.2	mg/Kg	100	12.50	<0.200	88	0	75 - 125	20
Total Sodium	[40] 2210	[41] 2010	mg/Kg	1	10000	1820	3	68	75 - 125	20
Total Zinc	[42] 317	375	mg/Kg	100	25	310	28	161	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

QCBatch: QC25902

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	1391.50	1402.40	mg/Kg	1	625	814	92	1	35 - 144	20
Fluoride	118.30	119.70	mg/Kg	1	125	<1.0	94	1	82 - 104	20
Nitrate-N	121.20	122.90	mg/Kg	1	125	<1.0	96	1	53 - 130	20
Sulfate	[43] 606.10	605.20	mg/Kg	1	625	15.1	94	0	54 - 129	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC25771

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
PCB		mg/L	0.40	0.39	97	85 - 115	12/23/02

ICV (1)

QCBatch: QC25771

[34]MS RECOVERY INVALID DUE TO MATRIX EFFECT/DILUTION FACTOR
[35]MS RECOVERY INVALID DUE TO MATRIX EFFECT/DILUTION FACTOR
[36]Matrix spike recovery invalid due to matrix effects. LCS demonstrates process under control.
[37]MS RECOVERY INVALID DUE TO MATRIX EFFECT/DILUTION FACTOR
[38]MS RECOVERY INVALID DUE TO MATRIX EFFECT/DILUTION FACTOR
[39]Matrix spike recovery invalid due to matrix effects. LCS demonstrates process under control.
[40]MS RECOVERY INVALID DUE TO MATRIX EFFECT/DILUTION FACTOR
[41]MS RECOVERY INVALID DUE TO MATRIX EFFECT/DILUTION FACTOR
[42]Matrix spike recovery invalid due to matrix effects. LCS demonstrates process under control.
[43]*5 dilution is being reported, Matrix %EA is 93 and Matrix rpd is 0

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
PCB		mg/L	0.40	0.43	107	85 - 115	12/23/02

CCV (1)

QCBatch: QC25833

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
alpha-BHC		mg/L	0.10	0.0986	98	85 - 115	12/26/02
gamma-BHC (Lindane)		mg/L	0.10	0.1047	104	85 - 115	12/26/02
beta-BHC		mg/L	0.10	0.0888	88	85 - 115	12/26/02
delta-BHC		mg/L	0.10	0.1003	100	85 - 115	12/26/02
Heptachlor		mg/L	0.10	0.1016	101	85 - 115	12/26/02
Aldrin		mg/L	0.10	0.1001	100	85 - 115	12/26/02
Heptachlor Epoxide		mg/L	0.10	0.0925	92	85 - 115	12/26/02
gamma-Chlordane		mg/L	0.10	0.0935	93	85 - 115	12/26/02
alpha-Chlordane		mg/L	0.10	0.0896	89	85 - 115	12/26/02
Endosulfan I		mg/L	0.10	0.0903	90	85 - 115	12/26/02
P,P-DDE		mg/L	0.10	0.1012	101	85 - 115	12/26/02
Dieldrin		mg/L	0.10	0.0914	91	85 - 115	12/26/02
Endrin		mg/L	0.10	0.0926	92	85 - 115	12/26/02
P,P-DDD		mg/L	0.10	0.0883	88	85 - 115	12/26/02
Endosulfan II		mg/L	0.10	0.0894	89	85 - 115	12/26/02
p,p-DDT		mg/L	0.10	0.0880	88	85 - 115	12/26/02
Endrin aldehyde		mg/L	0.10	0.0903	90	85 - 115	12/26/02
Endosulfan sulfate		mg/L	0.10	0.1041	104	85 - 115	12/26/02
Methoxychlor		mg/L	0.10	0.1049	104	85 - 115	12/26/02
Endrin Ketone		mg/L	0.10	0.0922	92	85 - 115	12/26/02
Toxaphene		mg/L	0.80	0.6956	86	85 - 115	12/26/02
2,4,5,6-Tetrachloro-m-xylene		mg/L	0.10	0.0930	93	85 - 115	12/26/02
deca chlorobiphenyl		mg/L	0.10	0.0791	79	85 - 115	12/26/02

ICV (1)

QCBatch: QC25833

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
alpha-BHC		mg/L	0.10	0.0982	98	85 - 115	12/26/02
gamma-BHC (Lindane)		mg/L	0.10	0.1079	107	85 - 115	12/26/02
beta-BHC		mg/L	0.10	0.1039	103	85 - 115	12/26/02
delta-BHC		mg/L	0.10	0.0959	95	85 - 115	12/26/02
Heptachlor		mg/L	0.10	0.0925	92	85 - 115	12/26/02
Aldrin		mg/L	0.10	0.1045	104	85 - 115	12/26/02
Heptachlor Epoxide		mg/L	0.10	0.0903	90	85 - 115	12/26/02
gamma-Chlordane		mg/L	0.10	0.1013	101	85 - 115	12/26/02
alpha-Chlordane		mg/L	0.10	0.0908	90	85 - 115	12/26/02
Endosulfan I		mg/L	0.10	0.0930	93	85 - 115	12/26/02
P,P-DDE		mg/L	0.10	0.1074	107	85 - 115	12/26/02
Dieldrin		mg/L	0.10	0.0911	91	85 - 115	12/26/02

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Endrin		mg/L	0.10	0.0942	94	85 - 115	12/26/02
P,P-DDD		mg/L	0.10	0.0903	90	85 - 115	12/26/02
Endosulfan II		mg/L	0.10	0.0932	93	85 - 115	12/26/02
p,p-DDT		mg/L	0.10	0.0873	87	85 - 115	12/26/02
Endrin aldehyde		mg/L	0.10	0.0856	85	85 - 115	12/26/02
Endosulfan sulfate		mg/L	0.10	0.1083	108	85 - 115	12/26/02
Methoxychlor		mg/L	0.10	0.0942	94	85 - 115	12/26/02
Endrin Ketone		mg/L	0.10	0.0861	86	85 - 115	12/26/02
Toxaphene		mg/L	0.80	0.8720	109	85 - 115	12/26/02
2,4,5,6-Tetrachloro-m-xylene		mg/L	0.10	0.0862	86	85 - 115	12/26/02
deca chlorobiphenyl		mg/L	0.10	0.0858	85	85 - 115	12/26/02

CCV (1)

QCBatch: QC25875

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Aluminum		mg/L	2	2.03	102	90 - 110	12/29/02
Total Arsenic		mg/L	1	1.02	102	90 - 110	12/29/02
Total Barium		mg/L	2	2.04	102	90 - 110	12/29/02
Total Boron		mg/L	0.10	0.102	102	90 - 110	12/29/02
Total Cadmium		mg/L	0.50	0.506	101	90 - 110	12/29/02
Total Calcium		mg/L	25	24.5	98	90 - 110	12/29/02
Total Chromium		mg/L	0.20	0.197	98	90 - 110	12/29/02
Total Cobalt		mg/L	0.50	0.498	100	90 - 110	12/29/02
Total Copper		mg/L	0.25	0.253	101	90 - 110	12/29/02
Total Iron		mg/L	1	1.04	104	90 - 110	12/29/02
Total Lead		mg/L	1	1.03	103	90 - 110	12/29/02
Total Magnesium		mg/L	25	25.5	102	90 - 110	12/29/02
Total Manganese		mg/L	0.50	0.510	102	90 - 110	12/29/02
Total Molybdenum		mg/L	1	0.971	97	90 - 110	12/29/02
Total Nickel		mg/L	0.50	0.496	99	90 - 110	12/29/02
Total Potassium		mg/L	25	25.6	102	90 - 110	12/29/02
Total Selenium		mg/L	1	1.02	102	90 - 110	12/29/02
Total Silica		mg/L	1	0.952	95	90 - 110	12/29/02
Total Silver		mg/L	0.25	0.251	100	90 - 110	12/29/02
Total Sodium		mg/L	25	24.9	99	90 - 110	12/29/02
Total Zinc		mg/L	0.50	0.507	101	90 - 110	12/29/02

ICV (1)

QCBatch: QC25875

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Aluminum		mg/L	2	2.04	102	90 - 110	12/29/02
Total Arsenic		mg/L	1	1.02	102	90 - 110	12/29/02
Total Barium		mg/L	2	2.05	102	90 - 110	12/29/02

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Boron		mg/L	0.10	0.100	100	90 - 110	12/29/02
Total Cadmium		mg/L	0.50	0.508	102	90 - 110	12/29/02
Total Calcium		mg/L	25	24.5	98	90 - 110	12/29/02
Total Chromium		mg/L	0.20	0.200	100	90 - 110	12/29/02
Total Cobalt		mg/L	0.50	0.500	100	90 - 110	12/29/02
Total Copper		mg/L	0.25	0.252	101	90 - 110	12/29/02
Total Iron		mg/L	1	1.03	103	90 - 110	12/29/02
Total Lead		mg/L	1	1.03	103	90 - 110	12/29/02
Total Magnesium		mg/L	25	24.9	99	90 - 110	12/29/02
Total Manganese		mg/L	0.50	0.507	101	90 - 110	12/29/02
Total Molybdenum		mg/L	1	0.985	98	90 - 110	12/29/02
Total Nickel		mg/L	0.50	0.498	100	90 - 110	12/29/02
Total Potassium		mg/L	25	24.5	98	90 - 110	12/29/02
Total Selenium		mg/L	1	1.01	101	90 - 110	12/29/02
Total Silica		mg/L	1	0.960	96	90 - 110	12/29/02
Total Silver		mg/L	0.25	0.253	101	90 - 110	12/29/02
Total Sodium		mg/L	25	24.8	99	90 - 110	12/29/02
Total Zinc		mg/L	0.50	0.497	99	90 - 110	12/29/02

CCV (1)

QCBatch: QC25879

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.005	0.00507	101	80 - 120	12/27/02

ICV (1)

QCBatch: QC25879

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.005	0.00528	105	80 - 120	12/27/02

CCV (1)

QCBatch: QC25902

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.71	93	90 - 110	12/30/02
Fluoride		mg/L	2.50	2.41	96	90 - 110	12/30/02
Nitrate-N		mg/L	2.50	2.36	94	90 - 110	12/30/02
Sulfate		mg/L	12.50	11.89	95	90 - 110	12/30/02

ICV (1)

QCBatch: QC25902

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.53	92	90 - 110	12/30/02
Fluoride		mg/L	2.50	2.43	97	90 - 110	12/30/02
Nitrate-N		mg/L	2.50	2.41	96	90 - 110	12/30/02
Sulfate		mg/L	12.50	12.00	96	90 - 110	12/30/02

CCV (1)

QCBatch: QC25936

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7	7.1	101	-0.1 s.u. - +0.1 s.u.	12/27/02

ICV (1)

QCBatch: QC25936

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7	7.0	100	-0.1 s.u. - +0.1 s.u.	12/27/02

CCV (1)

QCBatch: QC25943

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50	49.0	98	80 - 120	12/30/02
1,1-Dichloroethene		µg/L	50	50.0	100	80 - 120	12/30/02
Chloroform		µg/L	50	51.0	102	80 - 120	12/30/02
1,2-Dichloropropane		µg/L	50	50.0	100	80 - 120	12/30/02
Toluene		µg/L	50	49.0	98	80 - 120	12/30/02
Chlorobenzene		µg/L	50	48.0	96	80 - 120	12/30/02
Ethylbenzene		µg/L	50	49.0	98	80 - 120	12/30/02
Dibromofluoromethane		µg/L	50	50.9	102	80 - 120	12/30/02
Toluene-d8		µg/L	50	49.3	99	80 - 120	12/30/02
4-Bromofluorobenzene		µg/L	50	51.5	103	80 - 120	12/30/02

CCV (1)

QCBatch: QC25947

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50	53	106	80 - 120	12/29/02

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloroethene		µg/L	50	51	102	80 - 120	12/29/02
Chloroform		µg/L	50	54	108	80 - 120	12/29/02
1,2-Dichloropropane		µg/L	50	52	104	80 - 120	12/29/02
Toluene		µg/L	50	53	106	80 - 120	12/29/02
Chlorobenzene		µg/L	50	51	102	80 - 120	12/29/02
Ethylbenzene		µg/L	50	53	106	80 - 120	12/29/02
Dibromofluoromethane		µg/L	50	51.9	103	80 - 120	12/29/02
Toluene-d8		µg/L	50	53.7	107	80 - 120	12/29/02
4-Bromofluorobenzene		µg/L	50	54.7	109	80 - 120	12/29/02

CCV (1)

QCBatch: QC25954

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0	<1.0	0	90 - 110	1/2/03
Carbonate Alkalinity		mg/L as CaCo3	0	224	0	90 - 110	1/2/03
Bicarbonate Alkalinity		mg/L as CaCo3	0	12	0	90 - 110	1/2/03
Total Alkalinity		mg/L as CaCo3	250	236	94	90 - 110	1/2/03

ICV (1)

QCBatch: QC25954

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0	<1.0	0	90 - 110	1/2/03
Carbonate Alkalinity		mg/L as CaCo3	0	228	0	90 - 110	1/2/03
Bicarbonate Alkalinity		mg/L as CaCo3	0	10	0	90 - 110	1/2/03
Total Alkalinity		mg/L as CaCo3	250	238	95	90 - 110	1/2/03

CCV (1)

QCBatch: QC25987

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60	67.09	111	80 - 120	1/4/03
1,4-Dichlorobenzene		mg/L	60	63.7	106	80 - 120	1/4/03
2-Nitrophenol		mg/L	60	63.7	106	80 - 120	1/4/03
2,4-Dichlorophenol		mg/L	60	68.01	113	80 - 120	1/4/03
Hexachlorobutadiene		mg/L	60	64.88	108	80 - 120	1/4/03
4-Chloro-3-methylphenol		mg/L	60	70.81	118	80 - 120	1/4/03
2,4,6-Trichlorophenol		mg/L	60	70.17	116	80 - 120	1/4/03
Acenaphthene		mg/L	60	66.18	110	80 - 120	1/4/03
Diphenylamine		mg/L	60	64.27	107	80 - 120	1/4/03

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pentachlorophenol		mg/L	60	67.1	111	80 - 120	1/4/03
Fluoranthene		mg/L	60	65.35	108	80 - 120	1/4/03
Di-n-octylphthalate		mg/L	60	67.65	112	80 - 120	1/4/03
Benzo(a)pyrene		mg/L	60	66.98	111	80 - 120	1/4/03
2-Fluorophenol		mg/L	60	65.98	109	80 - 120	1/4/03
Phenol-d5		mg/L	60	61.98	103	80 - 120	1/4/03
Nitrobenzene-d5		mg/L	60	62.43	104	80 - 120	1/4/03
2-Fluorobiphenyl		mg/L	60	66.55	110	80 - 120	1/4/03
2,4,6-Tribromophenol		mg/L	60	69.57	115	80 - 120	1/4/03
Terphenyl-d14		mg/L	60	65.16	108	80 - 120	1/4/03

CCV (1)

QCBatch: QC26074

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1413	1414	100	90 - 110	1/8/03

ICV (1)

QCBatch: QC26074

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1413	1414	100	90 - 110	1/8/03

216773-76

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

TraceAnalysis, Inc.

4725 Ripley Dr., Ste A
El Paso, Texas 79922-1028
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A0212917

Company Name: New Mexico Oil Conservation Division
Phone #: 505 476-3488
Address: (Street, City, Zip) 1220 South Saint Frances Dr., Santa Fe, NM 87505
Fax #: 505-476-3462
Contact Person: Martyne Kieling
Invoice to: (If different from above)
Project #: General Petroleum
Project Name: General Petroleum Pit
Project Location: Eunice, NM
Sampler Signature: Martyne J. Kieling

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE		PRESERVATIVE METHOD: HCL	HNO3	$NaHSO_4$	H_2SO_4	NaOH	ICE	NONE		SAMPLING: DATE	TIME
216773	1218020855	3	4oz				X							X			12/18/02	8:55
74	1218020915	3	4oz				X							X			12/18/02	9:15
75	1218020940	3	4oz				X							X			12/18/02	9:40
76	1218021000	3	4oz				X							X			12/18/02	10:00

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB #	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC-MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	OCD WQCC Metals	General Chemistry Total Cation/Anions			Turn Around Time if different from standard	Hold
216773										X	X	X	X	X		X	X				
74										X	X	X	X	X		X	X				
75										X	X	X	X	X		X	X				
76										X	X	X	X	X		X	X				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Martyne J. Kieling	12/18/02	1:00 pm			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[signature]	12-19-02	10 am

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 5 °
Log-in Review [initials]

REMARKS:
11/7F18

Carrier # TNMP 902928-514-4

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

Photo 1: sample number 1218020855
Sample very oily/thick with strong odor.

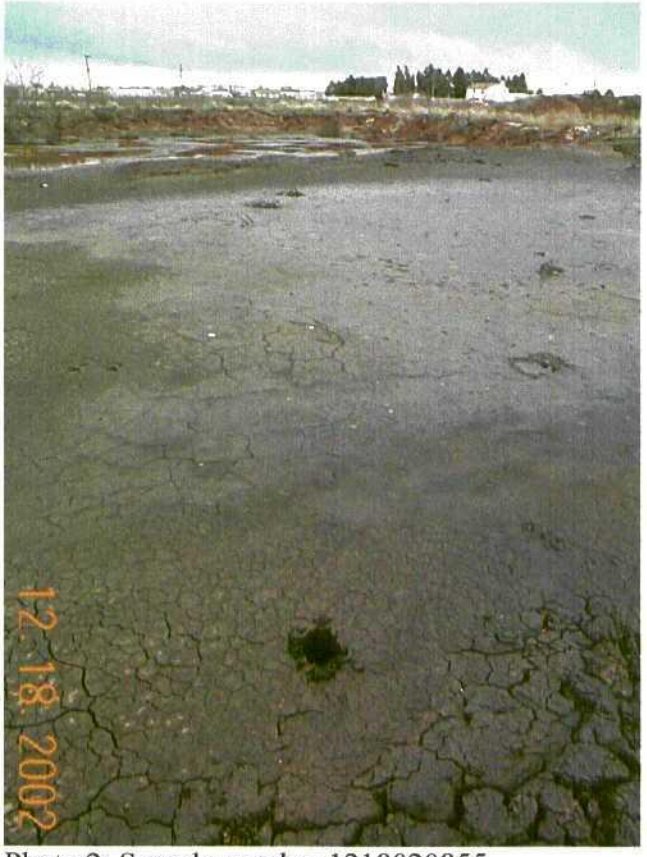

Photo 2: Sample number 1218020855.
Sample very oily/thick with strong odor.

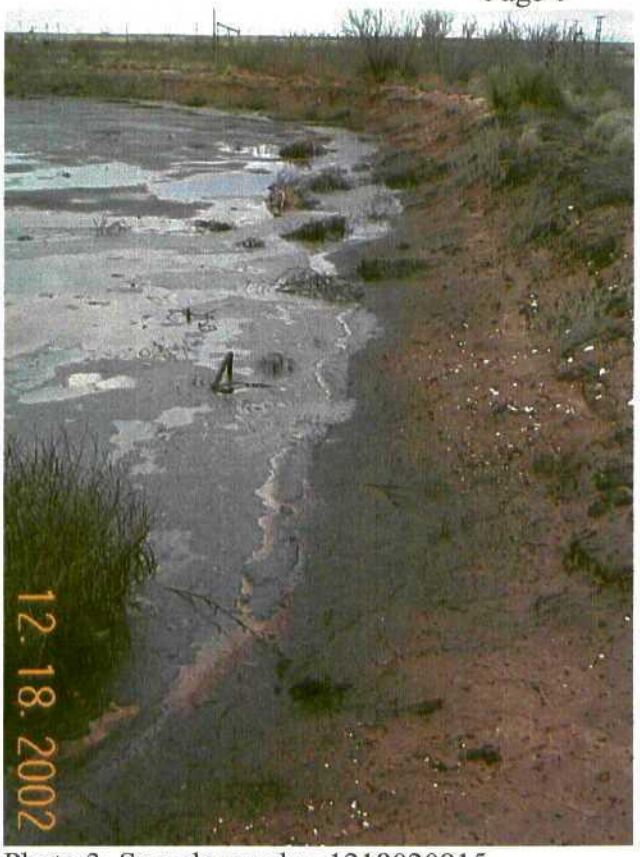

Photo 3: Sample number 1218020915
Sample contained caliche rock and some weeds.

Photo 4: Sample number 1218020940. Oily/clay

Photo 5: Sample number 1218021000. Sample very oily/thick with strong odor.

Photo 6: The waste pit with three homes in the background.

Photo 7: A sinkhole developing in the top of the pit that was located on Deck property north of the General Petroleum facility. General Petroleum operated this pit.

Photo 8: The General petroleum pit on Deck property was filled in and is now developing a sinkhole and the hydrocarbons are coming to the surface.