ANALYTICAL REPORT

BRC C-6, Torrance HaleyAldrich

Lot #: E2E010288

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Haley & Aldrich Inc

SEVERN TRENT LABORATORIES, INC.

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Project Manager

May 9, 2002

EXECUTIVE SUMMARY - Detection Highlights

E2E010288

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
2_VEW_16_5D050102_0001 05/01/02 09:00 001				
Aluminum	6560	20.0	mg/kg	SW846 6010B
Arsenic	4.2	1.0	mg/kg	SW846 6010B
Barium	32.9	2.0	mg/kg	SW846 6010B
Chromium	12.7	1.0	mg/kg	SW846 6010B
Beryllium	0.23 B	0.50	mg/kg	SW846 6010B
Lead	2.2	0.50	mg/kg	SW846 6010B
Cobalt	4.1 B	5.0	mg/kg	SW846 6010B
Copper	6.3	2.5	mg/kg	SW846 6010B
Nickel	7.4	4.0	mg/kg	SW846 6010B
Thallium	0.91 B	1.0	mg/kg	SW846 6010B
Vanadium	19.5	5.0	mg/kg	SW846 6010B
Zinc	25.9	2.0	mg/kg	SW846 6010B
2_VEW_17_5D050102_0001 05/01/02 11:30 002				
Mercury	0.055 B	0.10	mg/kg	SW846 7471A
Aluminum	13600	20.0	mg/kg	SW846 6010B
Arsenic	7.1	1.0	mg/kg	SW846 6010B
Barium	74.8	2.0	mg/kg	SW846 6010B
Chromium	22.4	1.0	mg/kg	SW846 6010B
Beryllium	0.45 B	0.50	mg/kg	SW846 6010B
Lead	4.6	0.50	mg/kg	SW846 6010B
Cobalt	7.6	5.0	mg/kg	SW846 6010B
Copper	19.1	2.5	mg/kg	SW846 6010B
Molybdenum	0.42 B	4.0	mg/kg	SW846 6010B
Nickel	14.6	4.0	mg/kg	SW846 6010B
Thallium	1.0	1.0	mg/kg	SW846 6010B
Vanadium	36.7	5.0	mg/kg	SW846 6010B
Zinc	46.6	2.0	mg/kg	SW846 6010B

METHODS SUMMARY

E2E010288

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310	SW846 3550
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E2E010288

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
E0QNX	001	2_VEW_16_5D050102_0001	05/01/02	09:00
E0QN7	002	2_VEW_17_5D050102_0001	05/01/02	11:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_16_5D050102_0001

GC/MS Volatiles

Lot-Sample #...: E2E010288-001 **Work Order #...:** E0QNX1AD **Matrix.....:** SOLID
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2128105
Prep Date.....: 05/07/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2128253 **Analysis Time..:** 15:52
Dilution Factor: 1
Analyst ID.....: 064667 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	8.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	10
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	3.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	100	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0

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HALEY & ALDRICH INC

Client Sample ID: 2_VEW_16_5D050102_0001

GC/MS Volatiles

Lot-Sample #...: E2E010288-001 **Work Order #...:** E0QNX1AD **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
t-Butanol	ND	100	ug/kg	50
Isopropyl ether	ND	10	ug/kg	1.0
Tert-amyl methyl ether	ND	10	ug/kg	2.0
Tert-butyl ethyl ether	ND	10	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(65 - 135)
1,2-Dichloroethane-d4	83	(60 - 140)
Toluene-d8	105	(70 - 130)

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_16_5D050102_0001

GC Volatiles

Lot-Sample #...:	E2E010288-001	**Work Order #...:**	E0QNX1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/01/02 09:00	**Date Received..:**	05/01/02 18:00	**MS Run #.....:**	2126262
Prep Date.....:	05/02/02	**Analysis Date..:**	05/02/02		
Prep Batch #...:	2126474	**Analysis Time..:**	12:45		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G15		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(60 - 130)

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_16_5D050102_0001

GC Semivolatiles

Lot-Sample #...:	E2E010288-001	**Work Order #...:**	E0QNX1AA	**Matrix.....:**	SOLID
Date Sampled...:	05/01/02 09:00	**Date Received..:**	05/01/02 18:00	**MS Run #.....:**	2122137
Prep Date.....:	05/02/02	**Analysis Date..:**	05/03/02		
Prep Batch #...:	2122297	**Analysis Time..:**	21:48		
Dilution Factor:	1				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	ND	10	mg/kg	5.0
C32-C35	ND	10	mg/kg	5.0
C36-C39	ND	10	mg/kg	5.0
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	ND	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	78	(60 - 130)

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_16_5D050102_0001

HPLC

Lot-Sample #...:	E2E010288-001	**Work Order #...:**	E0QNX1A1	**Matrix.....:**	SOLID
Date Sampled...:	05/01/02 09:00	**Date Received..:**	05/01/02 18:00	**MS Run #.....:**	2123171
Prep Date.....:	05/03/02	**Analysis Date..:**	05/07/02		
Prep Batch #...:	2123425	**Analysis Time..:**	17:02		
Dilution Factor:	1				
Analyst ID.....:	033077	**Instrument ID..:**	3UV		
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	400	ug/kg	63
Acenaphthylene	ND	200	ug/kg	46
Anthracene	ND	8.0	ug/kg	1.1
Benzo(a)anthracene	ND	16	ug/kg	1.7
Benzo(a)pyrene	ND	10	ug/kg	3.1
Benzo(b)fluoranthene	ND	4.0	ug/kg	2.4
Benzo(ghi)perylene	ND	16	ug/kg	3.1
Benzo(k)fluoranthene	ND	4.0	ug/kg	1.1
Chrysene	ND	20	ug/kg	14
Dibenz(a,h)anthracene	ND	40	ug/kg	9.2
Fluoranthene	ND	20	ug/kg	4.8
Fluorene	ND	40	ug/kg	6.7
Indeno(1,2,3-cd)pyrene	ND	20	ug/kg	3.1
Naphthalene	ND	200	ug/kg	23
Phenanthrene	ND	16	ug/kg	2.6
Pyrene	ND	40	ug/kg	11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	69	(41 - 115)

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_16_5D050102_0001

TOTAL Metals

Lot-Sample #...: E2E010288-001 **Matrix.....:** SOLID
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2122204						
Aluminum	**6560**	**20.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AE**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 8.0	
Arsenic	**4.2**	**1.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AF**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QNX1AG
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.60	
Barium	**32.9**	**2.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AH**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/02-05/03/02	E0QNX1AJ
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.060	
Chromium	**12.7**	**1.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AK**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Beryllium	**0.23 B**	**0.50**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AL**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.050	
Lead	**2.2**	**0.50**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AM**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/02-05/03/02	E0QNX1AN
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.40	

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HALEY & ALDRICH INC

Client Sample ID: 2_VEW_16_5D050102_0001

TOTAL Metals

Lot-Sample #...: E2E010288-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	1.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QNX1AP
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Cobalt	**4.1 B**	**5.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AQ**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Copper	**6.3**	**2.5**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AR**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QNX1AT
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.30	
Nickel	**7.4**	**4.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AU**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.30	
Thallium	**0.91 B**	**1.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AV**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.80	
Vanadium	**19.5**	**5.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AW**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Zinc	**25.9**	**2.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QNX1AX**
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 1.0	

Prep Batch #...: 2122206

Mercury	ND	0.10	mg/kg	SW846 7471A	05/02-05/03/02	E0QNX1A0
		Dilution Factor: 1		Analysis Time..: 13:34	Analyst ID.....: 000023	
		Instrument ID..: M04		MS Run #.....: 2122084	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_17_5D050102_0001

GC/MS Volatiles

Lot-Sample #...: E2E010288-002 **Work Order #...:** E0QN71AF **Matrix.....:** SOLID
Date Sampled...: 05/01/02 11:30 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2128105
Prep Date.....: 05/03/02 **Analysis Date..:** 05/03/02
Prep Batch #...: 2126574 **Analysis Time..:** 19:19
Dilution Factor: 1
Analyst ID.....: 064667 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	8.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	10
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	3.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	100	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0

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HALEY & ALDRICH INC

Client Sample ID: 2_VEW_17_5D050102_0001

GC/MS Volatiles

Lot-Sample #...: E2E010288-002 **Work Order #...:** E0QN71AF **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
t-Butanol	ND	100	ug/kg	50
Isopropyl ether	ND	10	ug/kg	1.0
Tert-amyl methyl ether	ND	10	ug/kg	2.0
Tert-butyl ethyl ether	ND	10	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(65 - 135)
1,2-Dichloroethane-d4	99	(60 - 140)
Toluene-d8	116	(70 - 130)

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_17_5D050102_0001

GC Volatiles

Lot-Sample #...:	E2E010288-002	**Work Order #...:**	E0QN71AE	**Matrix.....:**	SOLID
Date Sampled...:	05/01/02 11:30	**Date Received..:**	05/01/02 18:00	**MS Run #.....:**	2126262
Prep Date.....:	05/02/02	**Analysis Date..:**	05/02/02		
Prep Batch #...:	2126474	**Analysis Time..:**	13:12		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G15		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	91	(60 - 130)

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_17_5D050102_0001

GC Semivolatiles

Lot-Sample #...: E2E010288-002 **Work Order #...:** E0QN71AD **Matrix.....:** SOLID
Date Sampled...: 05/01/02 11:30 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2122137
Prep Date.....: 05/02/02 **Analysis Date..:** 05/03/02
Prep Batch #...: 2122297 **Analysis Time..:** 23:43
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G03
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	ND	10	mg/kg	5.0
C32-C35	ND	10	mg/kg	5.0
C36-C39	ND	10	mg/kg	5.0
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	ND	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	81	(60 - 130)

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_17_5D050102_0001

HPLC

Lot-Sample #...: E2E010288-002 **Work Order #...:** E0QN71AC **Matrix.....:** SOLID
Date Sampled...: 05/01/02 11:30 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2123171
Prep Date.....: 05/03/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2123425 **Analysis Time..:** 18:54
Dilution Factor: 1
Analyst ID.....: 033077 **Instrument ID..:** 3UV
Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	400	ug/kg	63
Acenaphthylene	ND	200	ug/kg	46
Anthracene	ND	8.0	ug/kg	1.1
Benzo(a)anthracene	ND	16	ug/kg	1.7
Benzo(a)pyrene	ND	10	ug/kg	3.1
Benzo(b)fluoranthene	ND	4.0	ug/kg	2.4
Benzo(ghi)perylene	ND	16	ug/kg	3.1
Benzo(k)fluoranthene	ND	4.0	ug/kg	1.1
Chrysene	ND	20	ug/kg	14
Dibenz(a,h)anthracene	ND	40	ug/kg	9.2
Fluoranthene	ND	20	ug/kg	4.8
Fluorene	ND	40	ug/kg	6.7
Indeno(1,2,3-cd)pyrene	ND	20	ug/kg	3.1
Naphthalene	ND	200	ug/kg	23
Phenanthrene	ND	16	ug/kg	2.6
Pyrene	ND	40	ug/kg	11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	67	(41 - 115)

HALEY & ALDRICH INC

Client Sample ID: 2_VEW_17_5D050102_0001

TOTAL Metals

Lot-Sample #...: E2E010288-002 Matrix.....: SOLID
Date Sampled...: 05/01/02 11:30 Date Received..: 05/01/02 18:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2122204						
Aluminum	**13600**	**20.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QN71AG**
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 8.0	
Arsenic	**7.1**	**1.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QN71AH**
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AJ
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.60	
Barium	**74.8**	**2.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QN71AK**
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AL
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.060	
Chromium	**22.4**	**1.0**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QN71AM**
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Beryllium	**0.45 B**	**0.50**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QN71AN**
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.050	
Lead	**4.6**	**0.50**	**mg/kg**	**SW846 6010B**	**05/02-05/03/02**	**E0QN71AP**
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AQ
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.40	

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HALEY & ALDRICH INC

Client Sample ID: 2_VEW_17_5D050102_0001

TOTAL Metals

Lot-Sample #...: E2E010288-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	1.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AR
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Cobalt	7.6	5.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AT
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Copper	19.1	2.5	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AU
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.40	
Molybdenum	0.42 B	4.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AV
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.30	
Nickel	14.6	4.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AW
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.30	
Thallium	1.0	1.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71AX
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.80	
Vanadium	36.7	5.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71A0
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 0.10	
Zinc	46.6	2.0	mg/kg	SW846 6010B	05/02-05/03/02	E0QN71A1
		Dilution Factor: 1		Analysis Time..: 14:18	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2122173	MDL.....: 1.0	

Prep Batch #...: 2122206

Mercury	0.055 B	0.10	mg/kg	SW846 7471A	05/02-05/03/02	E0QN71AA
		Dilution Factor: 1		Analysis Time..: 13:39	Analyst ID.....: 000023	
		Instrument ID..: M04		MS Run #.....: 2122084	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E2E010288

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		2122297	2122137
	SOLID	SW846 8015B		2126474	2126262
	SOLID	SW846 7471A		2122206	2122084
	SOLID	SW846 8260B		2128253	2128105
	SOLID	SW846 6010B		2122204	2122173
	SOLID	SW846 8310		2123425	2123171
002	SOLID	SW846 8015B		2122297	2122137
	SOLID	SW846 8015B		2126474	2126262
	SOLID	SW846 7471A		2122206	2122084
	SOLID	SW846 8260B		2126574	2128105
	SOLID	SW846 6010B		2122204	2122173
	SOLID	SW846 8310		2123425	2123171

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2E010288
MB Lot-Sample #: E2E060000-574

Work Order #...: E034V1AA

Matrix.....: SOLID

Prep Date.....: 05/03/02

Analysis Time..: 12:14

Analysis Date..: 05/03/02

Prep Batch #...: 2126574

Instrument ID..: MSD

Dilution Factor: 1

Analyst ID.....: 064667

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	100	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E034V1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
t-Butanol	ND	100	ug/kg	SW846 8260B
Isopropyl ether	ND	10	ug/kg	SW846 8260B
Tert-amyl methyl ether	ND	10	ug/kg	SW846 8260B
Tert-butyl ethyl ether	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(65 - 135)
1,2-Dichloroethane-d4	98	(60 - 140)
Toluene-d8	107	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2E010288
MB Lot-Sample #: E2E080000-253

Analysis Date..: 05/07/02
Dilution Factor: 1

Work Order #...: E034K1AA

Prep Date.....: 05/07/02
Prep Batch #...: 2128253

Analyst ID.....: 064667

Matrix.....: SOLID

Analysis Time..: 14:49
Instrument ID..: MSD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	100	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E034K1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
t-Butanol	ND	100	ug/kg	SW846 8260B
Isopropyl ether	ND	10	ug/kg	SW846 8260B
Tert-amyl methyl ether	ND	10	ug/kg	SW846 8260B
Tert-butyl ethyl ether	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(65 - 135)
1,2-Dichloroethane-d4	93	(60 - 140)
Toluene-d8	92	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E2E010288
MB Lot-Sample #: E2E060000-474

Analysis Date..: 05/02/02
Dilution Factor: 1

Work Order #...: E01EF1AA

Prep Date.....: 05/02/02
Prep Batch #...: 2126474

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 11:51
Instrument ID..: G15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C6-C8	ND	1.0	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E2E010288
MB Lot-Sample #: E2E020000-297

Work Order #...: E0RQ21AA

Matrix.....: SOLID

Prep Date.....: 05/02/02

Analysis Time..: 20:31

Analysis Date..: 05/03/02

Prep Batch #...: 2122297

Instrument ID..: G03

Dilution Factor: 1

Analyst ID.....: 356074

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C8-C9	ND	10	mg/kg	SW846 8015B
C10-C11	ND	10	mg/kg	SW846 8015B
C12-C13	ND	10	mg/kg	SW846 8015B
C14-C15	ND	10	mg/kg	SW846 8015B
C16-C17	ND	10	mg/kg	SW846 8015B
C18-C19	ND	10	mg/kg	SW846 8015B
C20-C23	ND	10	mg/kg	SW846 8015B
C24-C27	ND	10	mg/kg	SW846 8015B
C28-C31	ND	10	mg/kg	SW846 8015B
C32-C35	ND	10	mg/kg	SW846 8015B
C36-C39	ND	10	mg/kg	SW846 8015B
C40+	ND	10	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	10	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	92	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: E2E010288
MB Lot-Sample #: G2E030000-425
Analysis Date..: 05/07/02
Dilution Factor: 1

Work Order #...: E0W8J1AA
Prep Date.....: 05/03/02
Prep Batch #...: 2123425
Analyst ID.....: 033077

Matrix.....: SOLID
Analysis Time..: 15:47
Instrument ID..: 3UV

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	400	ug/kg	SW846 8310
Acenaphthylene	ND	200	ug/kg	SW846 8310
Anthracene	ND	8.0	ug/kg	SW846 8310
Benzo(a)anthracene	ND	16	ug/kg	SW846 8310
Benzo(a)pyrene	ND	10	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	4.0	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	16	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	4.0	ug/kg	SW846 8310
Chrysene	ND	20	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	40	ug/kg	SW846 8310
Fluoranthene	ND	20	ug/kg	SW846 8310
Fluorene	ND	40	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	20	ug/kg	SW846 8310
Naphthalene	ND	200	ug/kg	SW846 8310
Phenanthrene	ND	16	ug/kg	SW846 8310
Pyrene	ND	40	ug/kg	SW846 8310

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	58	(41 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E2E020000-204 **Prep Batch #...:** 2122204						
Aluminum	ND	20.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AC
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AD
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1A0
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AE
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Chromium	ND	1.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AL
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AF
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Lead	ND	0.50	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AX
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1A1
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AA
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AK
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	2.5	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AM
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AU
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Nickel	ND	4.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1AW
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1A5
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1A6
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	05/02-05/03/02	E0Q4N1A7
		Dilution Factor: 1				
		Analysis Time..: 12:22		Analyst ID.....: 021088	Instrument ID..: M01	

MB Lot-Sample #: E2E020000-206 **Prep Batch #...:** 2122206

Mercury	ND	0.10	mg/kg	SW846 7471A	05/02-05/03/02	E0Q441AA
		Dilution Factor: 1				
		Analysis Time..: 13:30		Analyst ID.....: 000023	Instrument ID..: M04	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E034V1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2E060000-574
Prep Date.....: 05/03/02 **Analysis Date..:** 05/03/02
Prep Batch #...: 2126574 **Analysis Time..:** 12:45
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 064667

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**135**	**(65 - 150)**	**SW846 8260B**
Benzene	**121**	**(70 - 130)**	**SW846 8260B**
Trichloroethene	**123**	**(70 - 135)**	**SW846 8260B**
Toluene	**116**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**113**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(65 - 135)
1,2-Dichloroethane-d4	110	(60 - 140)
Toluene-d8	110	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E034V1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2E060000-574
Prep Date.....: 05/03/02 **Analysis Date..:** 05/03/02
Prep Batch #...: 2126574 **Analysis Time..:** 12:45
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 064667

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**67.6**	**ug/kg**	**135**	**SW846 8260B**
Benzene	**50.0**	**60.3**	**ug/kg**	**121**	**SW846 8260B**
Trichloroethene	**50.0**	**61.7**	**ug/kg**	**123**	**SW846 8260B**
Toluene	**50.0**	**58.1**	**ug/kg**	**116**	**SW846 8260B**
Chlorobenzene	**50.0**	**56.7**	**ug/kg**	**113**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(65 - 135)
1,2-Dichloroethane-d4	110	(60 - 140)
Toluene-d8	110	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E034K1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2E080000-253
Prep Date.....: 05/07/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2128253 **Analysis Time..:** 12:33
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 064667

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**138**	**(65 - 150)**	**SW846 8260B**
Benzene	**119**	**(70 - 130)**	**SW846 8260B**
Trichloroethene	**133**	**(70 - 135)**	**SW846 8260B**
Toluene	**124**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**118**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	71	(65 - 135)
1,2-Dichloroethane-d4	64	(60 - 140)
Toluene-d8	73	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E034K1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2E080000-253
Prep Date.....: 05/07/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2128253 **Analysis Time..:** 12:33
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 064667

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**69.1**	**ug/kg**	**138**	**SW846 8260B**
Benzene	**50.0**	**59.5**	**ug/kg**	**119**	**SW846 8260B**
Trichloroethene	**50.0**	**66.5**	**ug/kg**	**133**	**SW846 8260B**
Toluene	**50.0**	**62.0**	**ug/kg**	**124**	**SW846 8260B**
Chlorobenzene	**50.0**	**58.9**	**ug/kg**	**118**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	71	(65 - 135)
1,2-Dichloroethane-d4	64	(60 - 140)
Toluene-d8	73	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E01EF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2E060000-474
Prep Date.....: 05/02/02 **Analysis Date..:** 05/02/02
Prep Batch #...: 2126474 **Analysis Time..:** 12:18
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**96**	**(70 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	105	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E01EF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2E060000-474
Prep Date.....: 05/02/02 **Analysis Date..:** 05/02/02
Prep Batch #...: 2126474 **Analysis Time..:** 12:18
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**4.80**	**mg/kg**	**96**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	105	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E2E010288 **Work Order #...:** E0RQ21AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2E020000-297
Prep Date.....: 05/02/02 **Analysis Date..:** 05/03/02
Prep Batch #...: 2122297 **Analysis Time..:** 21:09
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**83**	**(55 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	92	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E2E010288 **Work Order #...:** E0RQ21AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2E020000-297
Prep Date.....: 05/02/02 **Analysis Date..:** 05/03/02
Prep Batch #...: 2122297 **Analysis Time..:** 21:09
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**207**	**mg/kg**	**83**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	92	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: E2E010288 **Work Order #...:** E0W8J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G2E030000-425
Prep Date.....: 05/03/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2123425 **Analysis Time..:** 16:25
Dilution Factor: 1 **Instrument ID..:** 3UV
Analyst ID.....: 033077

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	75	(50 - 150)	SW846 8310
Acenaphthylene	75	(50 - 150)	SW846 8310
Anthracene	69	(50 - 150)	SW846 8310
Benzo(a)anthracene	75	(50 - 150)	SW846 8310
Benzo(a)pyrene	**69**	**(49 - 107)**	**SW846 8310**
Benzo(b)fluoranthene	74	(50 - 150)	SW846 8310
Benzo(ghi)perylene	75	(50 - 150)	SW846 8310
Benzo(k)fluoranthene	70	(50 - 150)	SW846 8310
Chrysene	76	(50 - 150)	SW846 8310
Dibenz(a,h)anthracene	57	(50 - 150)	SW846 8310
Fluoranthene	76	(50 - 150)	SW846 8310
Fluorene	**73**	**(43 - 112)**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**77**	**(54 - 114)**	**SW846 8310**
Naphthalene	**71**	**(44 - 110)**	**SW846 8310**
Phenanthrene	75	(50 - 150)	SW846 8310
Pyrene	**76**	**(49 - 115)**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	73	(41 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: E2E010288 **Work Order #...:** E0W8J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G2E030000-425
Prep Date.....: 05/03/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2123425 **Analysis Time..:** 16:25
Dilution Factor: 1 **Instrument ID..:** 3UV
Analyst ID.....: 033077

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	1330	992	ug/kg	75	SW846 8310
Acenaphthylene	667	503	ug/kg	75	SW846 8310
Anthracene	26.6	18.5	ug/kg	69	SW846 8310
Benzo(a)anthracene	66.7	49.8	ug/kg	75	SW846 8310
Benzo(a)pyrene	**66.7**	**46.0**	**ug/kg**	**69**	**SW846 8310**
Benzo(b)fluoranthene	26.6	19.8	ug/kg	74	SW846 8310
Benzo(ghi)perylene	106	79.8	ug/kg	75	SW846 8310
Benzo(k)fluoranthene	26.6	18.7	ug/kg	70	SW846 8310
Chrysene	66.7	50.5	ug/kg	76	SW846 8310
Dibenz(a,h)anthracene	266	152	ug/kg	57	SW846 8310
Fluoranthene	66.7	50.4	ug/kg	76	SW846 8310
Fluorene	**133**	**97.0**	**ug/kg**	**73**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**66.7**	**51.4**	**ug/kg**	**77**	**SW846 8310**
Naphthalene	**667**	**472**	**ug/kg**	**71**	**SW846 8310**
Phenanthrene	53.2	39.8	ug/kg	75	SW846 8310
Pyrene	**133**	**101**	**ug/kg**	**76**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	73	(41 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E2E020000-204 **Prep Batch #...:** 2122204					
Aluminum	97	(70 - 115)	SW846 6010B	05/02-05/03/02	E0Q4N1A9
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Arsenic	106	(75 - 115)	SW846 6010B	05/02-05/03/02	E0Q4N1CA
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Antimony	104	(75 - 115)	SW846 6010B	05/02-05/03/02	E0Q4N1CW
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Barium	101	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CC
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Cadmium	104	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CG
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Chromium	104	(85 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CJ
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Beryllium	108	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CD
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Lead	102	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CV
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Selenium	100	(70 - 115)	SW846 6010B	05/02-05/03/02	E0Q4N1CX
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Silver	103	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1A8
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	103	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CH
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Copper	103	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CK
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Molybdenum	104	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CR
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Nickel	103	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1CU
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Thallium	102	(75 - 125)	SW846 6010B	05/02-05/03/02	E0Q4N1C3
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Vanadium	104	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1C4
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	
Zinc	108	(80 - 120)	SW846 6010B	05/02-05/03/02	E0Q4N1C5
		Dilution Factor: 1			
		Analysis Time..: 13:38	Analyst ID.....: 021088	Instrument ID..: M01	

LCS Lot-Sample#: E2E020000-206 **Prep Batch #...:** 2122206

Mercury	100	(85 - 115)	SW846 7471A	05/02-05/03/02	E0Q441AC
		Dilution Factor: 1			
		Analysis Time..: 13:32	Analyst ID.....: 000023	Instrument ID..: M04	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E2E020000-204 **Prep Batch #...:** 2122204							
Aluminum	200	195	mg/kg	97	SW846 6010B	05/02-05/03/02	E0Q4N1A9
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Arsenic	200	211	mg/kg	106	SW846 6010B	05/02-05/03/02	E0Q4N1CA
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Antimony	50.0	51.8	mg/kg	104	SW846 6010B	05/02-05/03/02	E0Q4N1CW
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Barium	200	203	mg/kg	101	SW846 6010B	05/02-05/03/02	E0Q4N1CC
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Cadmium	5.00	5.18	mg/kg	104	SW846 6010B	05/02-05/03/02	E0Q4N1CG
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Chromium	20.0	20.8	mg/kg	104	SW846 6010B	05/02-05/03/02	E0Q4N1CJ
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Beryllium	5.00	5.38	mg/kg	108	SW846 6010B	05/02-05/03/02	E0Q4N1CD
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Lead	50.0	51.0	mg/kg	102	SW846 6010B	05/02-05/03/02	E0Q4N1CV
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Selenium	200	199	mg/kg	100	SW846 6010B	05/02-05/03/02	E0Q4N1CX
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Silver	5.00	5.14	mg/kg	103	SW846 6010B	05/02-05/03/02	E0Q4N1A8
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	50.0	51.5	mg/kg	103	SW846 6010B	05/02-05/03/02	E0Q4N1CH
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Copper	25.0	25.6	mg/kg	103	SW846 6010B	05/02-05/03/02	E0Q4N1CK
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Molybdenum	100	104	mg/kg	104	SW846 6010B	05/02-05/03/02	E0Q4N1CR
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Nickel	50.0	51.7	mg/kg	103	SW846 6010B	05/02-05/03/02	E0Q4N1CU
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Thallium	200	204	mg/kg	102	SW846 6010B	05/02-05/03/02	E0Q4N1C3
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Vanadium	50.0	51.9	mg/kg	104	SW846 6010B	05/02-05/03/02	E0Q4N1C4
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	
Zinc	50.0	54.0	mg/kg	108	SW846 6010B	05/02-05/03/02	E0Q4N1C5
			Dilution Factor: 1				
			Analysis Time..: 13:38		Analyst ID.....: 021088	Instrument ID..: M01	

LCS Lot-Sample#: E2E020000-206 **Prep Batch #...:** 2122206

Mercury	0.833	0.832	mg/kg	100	SW846 7471A	05/02-05/03/02	E0Q441AC
			Dilution Factor: 1				
			Analysis Time..: 13:32		Analyst ID.....: 000023	Instrument ID..: M04	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E0QNX1DF-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2E010288-001 E0QNX1DG-MSD
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2128105
Prep Date.....: 05/07/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2128253 **Analysis Time..:** 16:23
Dilution Factor: 1 **Analyst ID.....:** 064667 **Instrument ID..:** MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**112**	**(65 - 150)**			**SW846 8260B**
	119	**(65 - 150)**	**6.0**	**(0-30)**	**SW846 8260B**
Benzene	**107**	**(70 - 130)**			**SW846 8260B**
	105	**(70 - 130)**	**1.5**	**(0-30)**	**SW846 8260B**
Trichloroethene	**114**	**(70 - 135)**			**SW846 8260B**
	116	**(70 - 135)**	**1.9**	**(0-30)**	**SW846 8260B**
Toluene	**103**	**(70 - 130)**			**SW846 8260B**
	106	**(70 - 130)**	**2.8**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**105**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**4.5**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(65 - 135)
	95	(65 - 135)
1,2-Dichloroethane-d4	106	(60 - 140)
	87	(60 - 140)
Toluene-d8	95	(70 - 130)
	103	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E0QNX1DF-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2E010288-001 E0QNX1DG-MSD
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2128105
Prep Date.....: 05/07/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2128253 **Analysis Time..:** 16:23
Dilution Factor: 1 **Analyst ID.....:** 064667 **Instrument ID..:** MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**50.0**	**56.2**	**ug/kg**	**112**		**SW846 8260B**
	ND	**50.0**	**59.7**	**ug/kg**	**119**	**6.0**	**SW846 8260B**
Benzene	**ND**	**50.0**	**53.5**	**ug/kg**	**107**		**SW846 8260B**
	ND	**50.0**	**52.7**	**ug/kg**	**105**	**1.5**	**SW846 8260B**
Trichloroethene	**ND**	**50.0**	**57.2**	**ug/kg**	**114**		**SW846 8260B**
	ND	**50.0**	**58.2**	**ug/kg**	**116**	**1.9**	**SW846 8260B**
Toluene	**ND**	**50.0**	**51.4**	**ug/kg**	**103**		**SW846 8260B**
	ND	**50.0**	**52.8**	**ug/kg**	**106**	**2.8**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**52.5**	**ug/kg**	**105**		**SW846 8260B**
	ND	**50.0**	**50.2**	**ug/kg**	**100**	**4.5**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(65 - 135)
	95	(65 - 135)
1,2-Dichloroethane-d4	106	(60 - 140)
	87	(60 - 140)
Toluene-d8	95	(70 - 130)
	103	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E0QNX1DD-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2E010288-001 E0QNX1DE-MSD
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2126262
Prep Date.....: 05/02/02 **Analysis Date..:** 05/02/02
Prep Batch #...: 2126474 **Analysis Time..:** 13:39
Dilution Factor: 1 **Analyst ID.....:** 001464 **Instrument ID..:** G15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**96**	**(70 - 140)**			**SW846 8015B**
	95	**(70 - 140)**	**1.2**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	105	(60 - 130)
	107	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E2E010288 **Work Order #...:** E0QNX1DD-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2E010288-001 E0QNX1DE-MSD
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2126262
Prep Date.....: 05/02/02 **Analysis Date..:** 05/02/02
Prep Batch #...: 2126474 **Analysis Time..:** 13:39
Dilution Factor: 1 **Analyst ID.....:** 001464 **Instrument ID..:** G15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**4.79**	**mg/kg**	**96**		**SW846 8015B**
	ND	**5.00**	**4.73**	**mg/kg**	**95**	**1.2**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	105	(60 - 130)
	107	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	E2E010288	**Work Order #...:**	E0QNX1A4-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E2E010288-001		E0QNX1A5-MSD		
Date Sampled...:	05/01/02 09:00	**Date Received..:**	05/01/02 18:00	**MS Run #.....:**	2122137
Prep Date.....:	05/02/02	**Analysis Date..:**	05/03/02		
Prep Batch #...:	2122297	**Analysis Time..:**	22:26		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**77**	**(55 - 130)**			**SW846 8015B**
	77	**(55 - 130)**	**0.17**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	84	(60 - 130)
	85	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E2E010288 **Work Order #...:** E0QNX1A4-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2E010288-001 E0QNX1A5-MSD
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2122137
Prep Date.....: 05/02/02 **Analysis Date..:** 05/03/02
Prep Batch #...: 2122297 **Analysis Time..:** 22:26
Dilution Factor: 1 **Analyst ID.....:** 356074 **Instrument ID..:** G03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	**ND**	**250**	**192**	**mg/kg**	**77**		**SW846 8015B**
	ND	**250**	**192**	**mg/kg**	**77**	**0.17**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	84	(60 - 130)
	85	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: E2E010288 **Work Order #...:** E0QNX1DA-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2E010288-001 E0QNX1DC-MSD
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2123171
Prep Date.....: 05/03/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2123425 **Analysis Time..:** 17:40
Dilution Factor: 1 **Analyst ID.....:** 033077 **Instrument ID..:** 3UV

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	73	(50 - 150)			SW846 8310
	72	(50 - 150)	1.4	(0-50)	SW846 8310
Acenaphthylene	74	(50 - 150)			SW846 8310
	73	(50 - 150)	0.93	(0-50)	SW846 8310
Anthracene	70	(50 - 150)			SW846 8310
	69	(50 - 150)	2.6	(0-50)	SW846 8310
Benzo(a)anthracene	79	(50 - 150)			SW846 8310
	73	(50 - 150)	7.2	(0-50)	SW846 8310
Benzo(a)pyrene	**71**	**(49 - 107)**			**SW846 8310**
	69	**(49 - 107)**	**3.3**	**(0-53)**	**SW846 8310**
Benzo(b)fluoranthene	76	(50 - 150)			SW846 8310
	72	(50 - 150)	5.4	(0-50)	SW846 8310
Benzo(ghi)perylene	76	(50 - 150)			SW846 8310
	73	(50 - 150)	3.6	(0-50)	SW846 8310
Benzo(k)fluoranthene	74	(50 - 150)			SW846 8310
	72	(50 - 150)	3.0	(0-50)	SW846 8310
Chrysene	78	(50 - 150)			SW846 8310
	75	(50 - 150)	4.2	(0-50)	SW846 8310
Dibenz(a,h)anthracene	58	(50 - 150)			SW846 8310
	56	(50 - 150)	2.9	(0-50)	SW846 8310
Fluoranthene	74	(50 - 150)			SW846 8310
	73	(50 - 150)	1.8	(0-50)	SW846 8310
Fluorene	**72**	**(43 - 112)**			**SW846 8310**
	71	**(43 - 112)**	**1.0**	**(0-56)**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**78**	**(54 - 114)**			**SW846 8310**
	76	**(54 - 114)**	**3.1**	**(0-51)**	**SW846 8310**
Naphthalene	**71**	**(44 - 110)**			**SW846 8310**
	69	**(44 - 110)**	**1.9**	**(0-50)**	**SW846 8310**
Phenanthrene	73	(50 - 150)			SW846 8310
	73	(50 - 150)	0.33	(0-50)	SW846 8310
Pyrene	**73**	**(49 - 115)**			**SW846 8310**
	74	**(49 - 115)**	**1.0**	**(0-54)**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	74	(41 - 115)
	74	(41 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: E2E010288 **Work Order #...:** E0QNX1DA-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2E010288-001 E0QNX1DC-MSD
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00 **MS Run #.....:** 2123171
Prep Date.....: 05/03/02 **Analysis Date..:** 05/07/02
Prep Batch #...: 2123425 **Analysis Time..:** 17:40
Dilution Factor: 1 **Analyst ID.....:** 033077 **Instrument ID..:** 3UV

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	1330	970	ug/kg	73		SW846 8310
	ND	1330	957	ug/kg	72	1.4	SW846 8310
Acenaphthylene	ND	667	492	ug/kg	74		SW846 8310
	ND	667	488	ug/kg	73	0.93	SW846 8310
Anthracene	ND	26.6	18.7	ug/kg	70		SW846 8310
	ND	26.6	18.3	ug/kg	69	2.6	SW846 8310
Benzo(a)anthracene	ND	66.7	52.5	ug/kg	79		SW846 8310
	ND	66.7	48.9	ug/kg	73	7.2	SW846 8310
Benzo(a)pyrene	**ND**	**66.7**	**47.5**	**ug/kg**	**71**		**SW846 8310**
	ND	**66.7**	**46.0**	**ug/kg**	**69**	**3.3**	**SW846 8310**
Benzo(b)fluoranthene	ND	26.6	20.2	ug/kg	76		SW846 8310
	ND	26.6	19.1	ug/kg	72	5.4	SW846 8310
Benzo(ghi)perylene	ND	106	80.9	ug/kg	76		SW846 8310
	ND	106	78.1	ug/kg	73	3.6	SW846 8310
Benzo(k)fluoranthene	ND	26.6	19.6	ug/kg	74		SW846 8310
	ND	26.6	19.1	ug/kg	72	3.0	SW846 8310
Chrysene	ND	66.7	52.2	ug/kg	78		SW846 8310
	ND	66.7	50.0	ug/kg	75	4.2	SW846 8310
Dibenz(a,h)anthracene	ND	266	154	ug/kg	58		SW846 8310
	ND	266	150	ug/kg	56	2.9	SW846 8310
Fluoranthene	ND	66.7	49.6	ug/kg	74		SW846 8310
	ND	66.7	48.7	ug/kg	73	1.8	SW846 8310
Fluorene	**ND**	**133**	**95.5**	**ug/kg**	**72**		**SW846 8310**
	ND	**133**	**94.5**	**ug/kg**	**71**	**1.0**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**ND**	**66.7**	**52.3**	**ug/kg**	**78**		**SW846 8310**
	ND	**66.7**	**50.7**	**ug/kg**	**76**	**3.1**	**SW846 8310**
Naphthalene	**ND**	**667**	**472**	**ug/kg**	**71**		**SW846 8310**
	ND	**667**	**463**	**ug/kg**	**69**	**1.9**	**SW846 8310**
Phenanthrene	ND	53.2	39.0	ug/kg	73		SW846 8310
	ND	53.2	38.9	ug/kg	73	0.33	SW846 8310
Pyrene	**ND**	**133**	**97.5**	**ug/kg**	**73**		**SW846 8310**
	ND	**133**	**98.5**	**ug/kg**	**74**	**1.0**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Methylnaphthalene	74	(41 - 115)
	74	(41 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E2E010288-001 **Prep Batch #...:** 2122204							
Aluminum	NC	(70 - 115)			SW846 6010B	05/02-05/03/02	E0QNX1A6
	NC	(70 - 115)		(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1A7
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Arsenic	103	(75 - 115)			SW846 6010B	05/02-05/03/02	E0QNX1A8
	105	(75 - 115)	2.0	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1A9
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Antimony	33 N	(75 - 115)			SW846 6010B	05/02-05/03/02	E0QNX1CA
	31 N	(75 - 115)	4.4	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CC
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Barium	97	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1CD
	100	(80 - 120)	2.9	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CE
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Cadmium	95	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1CF
	97	(80 - 120)	2.4	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CG
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Chromium	95	(85 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1CH
	100	(85 - 120)	2.7	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CJ
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Beryllium	99	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1CK
	102	(80 - 120)	2.5	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CL
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	98	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1CM
	100	(80 - 120)	2.3	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CN
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Selenium	98	(70 - 115)			SW846 6010B	05/02-05/03/02	E0QNX1CP
	102	(70 - 115)	3.9	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CQ
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Silver	98	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1CR
	100	(80 - 120)	2.0	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CT
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Cobalt	97	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1CU
	99	(80 - 120)	1.9	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CV
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Copper	103	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1CW
	107	(80 - 120)	2.7	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1CX
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Molybdenum	96	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1C0
	98	(80 - 120)	1.3	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1C1
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					
Nickel	96	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1C2
	98	(80 - 120)	1.9	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1C3
		Dilution Factor: 1					
		Analysis Time..: 14:02			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2122173					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	98	(75 - 125)			SW846 6010B	05/02-05/03/02	E0QNX1C4
	100	(75 - 125)	2.1	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1C5

Dilution Factor: 1
Analysis Time..: 14:02 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2122173

Vanadium	99	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1C6
	103	(80 - 120)	3.0	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1C7

Dilution Factor: 1
Analysis Time..: 14:02 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2122173

Zinc	102	(80 - 120)			SW846 6010B	05/02-05/03/02	E0QNX1C8
	105	(80 - 120)	2.1	(0-25)	SW846 6010B	05/02-05/03/02	E0QNX1C9

Dilution Factor: 1
Analysis Time..: 14:02 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2122173

MS Lot-Sample #: E2E010288-001 **Prep Batch #...:** 2122206

Mercury	114	(80 - 120)			SW846 7471A	05/02-05/03/02	E0QNX1A2
	112	(80 - 120)	1.8	(0-20)	SW846 7471A	05/02-05/03/02	E0QNX1A3

Dilution Factor: 1
Analysis Time..: 13:35 Instrument ID..: M04 Analyst ID.....: 000023
MS Run #.....: 2122084

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E2E010288-001 **Prep Batch #...:** 2122204									
Aluminum									
	6560	200	6980 NC	mg/kg			SW846 6010B	05/02-05/03/02	E0QNX1A6
	6560	200	7530 NC	mg/kg			SW846 6010B	05/02-05/03/02	E0QNX1A7
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Arsenic									
	4.2	200	210	mg/kg	103		SW846 6010B	05/02-05/03/02	E0QNX1A8
	4.2	200	214	mg/kg	105	2.0	SW846 6010B	05/02-05/03/02	E0QNX1A9
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Antimony									
	ND	50.0	16.3 N	mg/kg	33		SW846 6010B	05/02-05/03/02	E0QNX1CA
	ND	50.0	15.6 N	mg/kg	31	4.4	SW846 6010B	05/02-05/03/02	E0QNX1CC
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Barium									
	32.9	200	227	mg/kg	97		SW846 6010B	05/02-05/03/02	E0QNX1CD
	32.9	200	234	mg/kg	100	2.9	SW846 6010B	05/02-05/03/02	E0QNX1CE
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Cadmium									
	ND	5.00	4.73	mg/kg	95		SW846 6010B	05/02-05/03/02	E0QNX1CF
	ND	5.00	4.85	mg/kg	97	2.4	SW846 6010B	05/02-05/03/02	E0QNX1CG
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Chromium									
	12.7	20.0	31.8	mg/kg	95		SW846 6010B	05/02-05/03/02	E0QNX1CH
	12.7	20.0	32.6	mg/kg	100	2.7	SW846 6010B	05/02-05/03/02	E0QNX1CJ
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	0.23	5.00	5.18	mg/kg	99		SW846 6010B	05/02-05/03/02	E0QNX1CK
	0.23	5.00	5.31	mg/kg	102	2.5	SW846 6010B	05/02-05/03/02	E0QNX1CL
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Lead									
	2.2	50.0	51.2	mg/kg	98		SW846 6010B	05/02-05/03/02	E0QNX1CM
	2.2	50.0	52.4	mg/kg	100	2.3	SW846 6010B	05/02-05/03/02	E0QNX1CN
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Selenium									
	ND	200	196	mg/kg	98		SW846 6010B	05/02-05/03/02	E0QNX1CP
	ND	200	203	mg/kg	102	3.9	SW846 6010B	05/02-05/03/02	E0QNX1CQ
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Silver									
	ND	5.00	4.90	mg/kg	98		SW846 6010B	05/02-05/03/02	E0QNX1CR
	ND	5.00	5.00	mg/kg	100	2.0	SW846 6010B	05/02-05/03/02	E0QNX1CT
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Cobalt									
	4.1	50.0	52.4	mg/kg	97		SW846 6010B	05/02-05/03/02	E0QNX1CU
	4.1	50.0	53.4	mg/kg	99	1.9	SW846 6010B	05/02-05/03/02	E0QNX1CV
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Copper									
	6.3	25.0	32.2	mg/kg	103		SW846 6010B	05/02-05/03/02	E0QNX1CW
	6.3	25.0	33.0	mg/kg	107	2.7	SW846 6010B	05/02-05/03/02	E0QNX1CX
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2E010288 **Matrix.....:** SOLID
Date Sampled...: 05/01/02 09:00 **Date Received..:** 05/01/02 18:00

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	ND	100	96.4	mg/kg	96		SW846 6010B	05/02-05/03/02	E0QNX1C0
	ND	100	97.6	mg/kg	98	1.3	SW846 6010B	05/02-05/03/02	E0QNX1C1
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Nickel									
	7.4	50.0	55.2	mg/kg	96		SW846 6010B	05/02-05/03/02	E0QNX1C2
	7.4	50.0	56.2	mg/kg	98	1.9	SW846 6010B	05/02-05/03/02	E0QNX1C3
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Thallium									
	0.91	200	198	mg/kg	98		SW846 6010B	05/02-05/03/02	E0QNX1C4
	0.91	200	202	mg/kg	100	2.1	SW846 6010B	05/02-05/03/02	E0QNX1C5
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Vanadium									
	19.5	50.0	68.8	mg/kg	99		SW846 6010B	05/02-05/03/02	E0QNX1C6
	19.5	50.0	70.9	mg/kg	103	3.0	SW846 6010B	05/02-05/03/02	E0QNX1C7
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						
Zinc									
	25.9	50.0	77.0	mg/kg	102		SW846 6010B	05/02-05/03/02	E0QNX1C8
	25.9	50.0	78.7	mg/kg	105	2.1	SW846 6010B	05/02-05/03/02	E0QNX1C9
			Dilution Factor: 1						
			Analysis Time..: 14:02		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2122173						

MS Lot-Sample #: E2E010288-001 **Prep Batch #...:** 2122206

Mercury									
	ND	0.167	0.190	mg/kg	114		SW846 7471A	05/02-05/03/02	E0QNX1A2
	ND	0.167	0.187	mg/kg	112	1.8	SW846 7471A	05/02-05/03/02	E0QNX1A3
			Dilution Factor: 1						
			Analysis Time..: 13:35		Instrument ID..: M04			Analyst ID.....: 000023	
			MS Run #.....: 2122084						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.