UNDERGROUND
ENGINEERING &
ENVIRONMENTAL
SOLUTIONS

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HALEY & ALDRICH

Letter of Transmittal

Date	16 September 2002
File Number	28997-003
From	Travis Hammond
To	The Boeing Company 3855 Lakewood Blvd., M/C D036-009 Long Beach, CA 90846
Attention	Marcia Taleff
Copy to	
Subject	Former C-6 Facility analytical results for drum and stockpile disposal

Transmitted via ☒ First class mail ☐ Overnight express ☐ Hand delivery ☐ Other

The attached transmittal includes a brief description of the onsite drums and stockpiles for disposal.

Drums and Stockpiles located south of Knox Street

DRUMS	LABORATORY SAMPLE	MATRIX	LOT #
C6-HA-160	HA_160_081502_0001	Water	E2H160208
C6-HA-161A	C-6FacilityB2PWaterCharacterization	Water	E2H200306
C6-HA-162A	C-6FacilityB2PWaterCharacterization	Water	E2H200306
C6-HA-163A	C-6FacilityB2PWaterCharacterization	Water	E2H200306

STOCKPILE	LABORATORY SAMPLE	MATRIX	LOT #
C6-SP-040ARC	C-6FacilityB2SoilCharacterization	Soil	E2H200306

Please arrange for disposal of these drums and stockpiles. Contact us if you need any additional information.

Sincerely,
HALEY & ALDRICH, INC.

Travis Hammond, EIT
Engineer

ANALYTICAL REPORT

Boeing BR C-6 Torrance HalAld

Lot #: E2H160208

Scott Zachary

Haley & Aldrich Inc

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

August 22, 2002

EXECUTIVE SUMMARY - Detection Highlights

E2H160208

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GAC0002U_AV081502_0001 08/15/02 14:00 001				
Total Non-Methane Hydrocarbons	12	6.2	ppm(v/v)	EPA-21 TO-14A
Dichlorodifluoromethane	0.0084 J	0.025	ppm(v/v)	EPA-21 TO-14A
Trichlorofluoromethane	0.021 J	0.025	ppm(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	0.83	0.025	ppm(v/v)	EPA-21 TO-14A
Methylene chloride	0.012 J	0.025	ppm(v/v)	EPA-21 TO-14A
1,1-Dichloroethane	0.024 J	0.025	ppm(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	0.025	0.025	ppm(v/v)	EPA-21 TO-14A
Chloroform	0.76	0.025	ppm(v/v)	EPA-21 TO-14A
1,1,1-Trichloroethane	0.075	0.025	ppm(v/v)	EPA-21 TO-14A
Carbon tetrachloride	0.027	0.025	ppm(v/v)	EPA-21 TO-14A
Trichloroethene	4.9	0.025	ppm(v/v)	EPA-21 TO-14A
Tetrachloroethene	0.18	0.025	ppm(v/v)	EPA-21 TO-14A
GAC0002D_AV081502_0001 08/15/02 14:00 002				
Total Non-Methane Hydrocarbons	11	2.5	ppm(v/v)	EPA-21 TO-14A
Dichlorodifluoromethane	0.0089 J	0.010	ppm(v/v)	EPA-21 TO-14A
Trichlorofluoromethane	0.023	0.010	ppm(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	0.93	0.010	ppm(v/v)	EPA-21 TO-14A
Methylene chloride	0.011	0.010	ppm(v/v)	EPA-21 TO-14A
1,1-Dichloroethane	0.027	0.010	ppm(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	0.024	0.010	ppm(v/v)	EPA-21 TO-14A
Chloroform	0.78	0.010	ppm(v/v)	EPA-21 TO-14A
1,1,1-Trichloroethane	0.081	0.010	ppm(v/v)	EPA-21 TO-14A
Carbon tetrachloride	0.029	0.010	ppm(v/v)	EPA-21 TO-14A
Trichloroethene	4.4	0.17	ppm(v/v)	EPA-21 TO-14A
Toluene	0.0039 J	0.025	ppm(v/v)	EPA-21 TO-14A
1,1,2-Trichloroethane	0.0064 J	0.010	ppm(v/v)	EPA-21 TO-14A
Tetrachloroethene	0.15	0.010	ppm(v/v)	EPA-21 TO-14A
GAC0002E_AV081502_0001 08/15/02 14:00 003				
Total Non-Methane Hydrocarbons	3.5 J	4.2	ppm(v/v)	EPA-21 TO-14A
Dichlorodifluoromethane	0.0072 J	0.017	ppm(v/v)	EPA-21 TO-14A
Trichlorofluoromethane	0.039	0.017	ppm(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	2.6	0.017	ppm(v/v)	EPA-21 TO-14A
Methylene chloride	0.016 J	0.017	ppm(v/v)	EPA-21 TO-14A
1,1-Dichloroethane	0.095	0.017	ppm(v/v)	EPA-21 TO-14A
Chloroform	0.86	0.017	ppm(v/v)	EPA-21 TO-14A

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EXECUTIVE SUMMARY - Detection Highlights

E2H160208

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HA_160_081502_0001 08/15/02 12:00 004				
Methyl tert-butyl ether	4.4	1.0	ug/L	SW846 8260B

METHODS SUMMARY

E2H160208

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by TO-14A	EPA-21 TO-14A	

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

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

SAMPLE SUMMARY

E2H160208

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
E6MN4	001	GAC0002U_AV081502_0001	08/15/02	14:00
E6MN8	002	GAC0002D_AV081502_0001	08/15/02	14:00
E6MN9	003	GAC0002E_AV081502_0001	08/15/02	14:00
E6MPA	004	HA_160_081502_0001	08/15/02	12:00

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: GAC0002U_AV081502_0001

GC/MS Volatiles

Lot-Sample #...: E2H160208-001 **Work Order #...:** E6MN41AA **Matrix.....:** AIR
Date Sampled...: 08/15/02 14:00 **Date Received..:** 08/15/02 21:50 **MS Run #.....:**
Prep Date.....: 08/16/02 **Analysis Date..:** 08/16/02
Prep Batch #...: 2228496 **Analysis Time..:** 14:18
Dilution Factor: 12.5
Analyst ID.....: 007319 **Instrument ID..:** MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Total Non-Methane Hydrocarbons as Hexane	**12**	**6.2**	**ppm(v/v)**	**1.2**
Dichlorodifluoromethane	**0.0084 J**	**0.025**	**ppm(v/v)**	**0.0062**
Chloromethane	ND	0.050	ppm(v/v)	0.012
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.025	ppm(v/v)	0.010
Vinyl chloride	ND	0.025	ppm(v/v)	0.010
Bromomethane	ND	0.025	ppm(v/v)	0.012
Chloroethane	ND	0.050	ppm(v/v)	0.010
Trichlorofluoromethane	**0.021 J**	**0.025**	**ppm(v/v)**	**0.0062**
1,1-Dichloroethene	**0.83**	**0.025**	**ppm(v/v)**	**0.0062**
Carbon disulfide	ND	0.12	ppm(v/v)	0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.025	ppm(v/v)	0.0062
Acetone	ND	0.12	ppm(v/v)	0.025
Methylene chloride	**0.012 J**	**0.025**	**ppm(v/v)**	**0.010**
trans-1,2-Dichloroethene	ND	0.025	ppm(v/v)	0.0062
1,1-Dichloroethane	**0.024 J**	**0.025**	**ppm(v/v)**	**0.0062**
Vinyl acetate	ND	0.12	ppm(v/v)	0.025
cis-1,2-Dichloroethene	**0.025**	**0.025**	**ppm(v/v)**	**0.010**
2-Butanone (MEK)	ND	0.12	ppm(v/v)	0.025
Chloroform	**0.76**	**0.025**	**ppm(v/v)**	**0.010**
1,1,1-Trichloroethane	**0.075**	**0.025**	**ppm(v/v)**	**0.0062**
Carbon tetrachloride	**0.027**	**0.025**	**ppm(v/v)**	**0.0062**
Benzene	ND	0.025	ppm(v/v)	0.010
1,2-Dichloroethane	ND	0.025	ppm(v/v)	0.010
Trichloroethene	**4.9**	**0.025**	**ppm(v/v)**	**0.0075**
1,2-Dichloropropane	ND	0.025	ppm(v/v)	0.010
Bromodichloromethane	ND	0.025	ppm(v/v)	0.010
cis-1,3-Dichloropropene	ND	0.025	ppm(v/v)	0.0062
4-Methyl-2-pentanone (MIBK)	ND	0.12	ppm(v/v)	0.025
Toluene	ND	0.062	ppm(v/v)	0.0062
trans-1,3-Dichloropropene	ND	0.025	ppm(v/v)	0.010
1,1,2-Trichloroethane	ND	0.025	ppm(v/v)	0.0075
Tetrachloroethene	**0.18**	**0.025**	**ppm(v/v)**	**0.0062**
2-Hexanone	ND	0.38	ppm(v/v)	0.012

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HALEY & ALDRICH INC

Client Sample ID: GAC0002U_AV081502_0001

GC/MS Volatiles

Lot-Sample #...: E2H160208-001 **Work Order #...:** E6MN41AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibromochloromethane	ND	0.025	ppm(v/v)	0.0062
1,2-Dibromoethane (EDB)	ND	0.025	ppm(v/v)	0.0062
Chlorobenzene	ND	0.025	ppm(v/v)	0.0062
Ethylbenzene	ND	0.025	ppm(v/v)	0.0062
Xylenes (total)	ND	0.025	ppm(v/v)	0.010
Styrene	ND	0.025	ppm(v/v)	0.0075
Bromoform	ND	0.025	ppm(v/v)	0.0062
1,1,2,2-Tetrachloroethane	ND	0.025	ppm(v/v)	0.0062
Benzyl chloride	ND	0.12	ppm(v/v)	0.010
4-Ethyltoluene	ND	0.025	ppm(v/v)	0.0088
1,3,5-Trimethylbenzene	ND	0.025	ppm(v/v)	0.010
1,2,4-Trimethylbenzene	ND	0.025	ppm(v/v)	0.0062
1,3-Dichlorobenzene	ND	0.025	ppm(v/v)	0.0075
1,4-Dichlorobenzene	ND	0.025	ppm(v/v)	0.010
1,2-Dichlorobenzene	ND	0.025	ppm(v/v)	0.010
1,2,4-Trichloro-benzene	ND	0.25	ppm(v/v)	0.0075
Hexachlorobutadiene	ND	0.050	ppm(v/v)	0.012
Methyl tert-butyl ether (MTBE)	ND	0.12	ppm(v/v)	0.0062

NOTE(S):

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

GAC0002U_AV081502_0001

GC/MS Volatiles

Lot-Sample #: E2H160208-001 **Work Order #:** E6MN41AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ppm(v/v)

HALEY & ALDRICH INC

Client Sample ID: GAC0002D_AV081502_0001

GC/MS Volatiles

Lot-Sample #...: E2H160208-002 **Work Order #...:** E6MN81AA **Matrix.....:** AIR
Date Sampled...: 08/15/02 14:00 **Date Received..:** 08/15/02 21:50 **MS Run #.....:**
Prep Date.....: 08/16/02 **Analysis Date..:** 08/16/02
Prep Batch #...: 2228496 **Analysis Time..:** 17:05
Dilution Factor: 5
Analyst ID.....: 007319 **Instrument ID..:** MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Total Non-Methane Hydrocarbons as Hexane	**11**	**2.5**	**ppm(v/v)**	**0.50**
Dichlorodifluoromethane	**0.0089 J**	**0.010**	**ppm(v/v)**	**0.0025**
Chloromethane	ND	0.020	ppm(v/v)	0.0050
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.010	ppm(v/v)	0.0040
Vinyl chloride	ND	0.010	ppm(v/v)	0.0040
Bromomethane	ND	0.010	ppm(v/v)	0.0050
Chloroethane	ND	0.020	ppm(v/v)	0.0040
Trichlorofluoromethane	**0.023**	**0.010**	**ppm(v/v)**	**0.0025**
1,1-Dichloroethene	**0.93**	**0.010**	**ppm(v/v)**	**0.0025**
Carbon disulfide	ND	0.050	ppm(v/v)	0.010
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.010	ppm(v/v)	0.0025
Acetone	ND	0.050	ppm(v/v)	0.010
Methylene chloride	**0.011**	**0.010**	**ppm(v/v)**	**0.0040**
trans-1,2-Dichloroethene	ND	0.010	ppm(v/v)	0.0025
1,1-Dichloroethane	**0.027**	**0.010**	**ppm(v/v)**	**0.0025**
Vinyl acetate	ND	0.050	ppm(v/v)	0.010
cis-1,2-Dichloroethene	**0.024**	**0.010**	**ppm(v/v)**	**0.0040**
2-Butanone (MEK)	ND	0.050	ppm(v/v)	0.010
Chloroform	**0.78**	**0.010**	**ppm(v/v)**	**0.0040**
1,1,1-Trichloroethane	**0.081**	**0.010**	**ppm(v/v)**	**0.0025**
Carbon tetrachloride	**0.029**	**0.010**	**ppm(v/v)**	**0.0025**
Benzene	ND	0.010	ppm(v/v)	0.0040
1,2-Dichloroethane	ND	0.010	ppm(v/v)	0.0040
1,2-Dichloropropane	ND	0.010	ppm(v/v)	0.0040
Bromodichloromethane	ND	0.010	ppm(v/v)	0.0040
cis-1,3-Dichloropropene	ND	0.010	ppm(v/v)	0.0025
4-Methyl-2-pentanone (MIBK)	ND	0.050	ppm(v/v)	0.010
Toluene	**0.0039 J**	**0.025**	**ppm(v/v)**	**0.0025**
trans-1,3-Dichloropropene	ND	0.010	ppm(v/v)	0.0040
1,1,2-Trichloroethane	**0.0064 J**	**0.010**	**ppm(v/v)**	**0.0030**
Tetrachloroethene	**0.15**	**0.010**	**ppm(v/v)**	**0.0025**
2-Hexanone	ND	0.15	ppm(v/v)	0.0050
Dibromochloromethane	ND	0.010	ppm(v/v)	0.0025

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HALEY & ALDRICH INC

Client Sample ID: GAC0002D_AV081502_0001

GC/MS Volatiles

Lot-Sample #...: E2H160208-002 **Work Order #...:** E6MN81AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane (EDB)	ND	0.010	ppm(v/v)	0.0025
Chlorobenzene	ND	0.010	ppm(v/v)	0.0025
Ethylbenzene	ND	0.010	ppm(v/v)	0.0025
Xylenes (total)	ND	0.010	ppm(v/v)	0.0040
Styrene	ND	0.010	ppm(v/v)	0.0030
Bromoform	ND	0.010	ppm(v/v)	0.0025
1,1,2,2-Tetrachloroethane	ND	0.010	ppm(v/v)	0.0025
Benzyl chloride	ND	0.050	ppm(v/v)	0.0040
4-Ethyltoluene	ND	0.010	ppm(v/v)	0.0035
1,3,5-Trimethylbenzene	ND	0.010	ppm(v/v)	0.0040
1,2,4-Trimethylbenzene	ND	0.010	ppm(v/v)	0.0025
1,3-Dichlorobenzene	ND	0.010	ppm(v/v)	0.0030
1,4-Dichlorobenzene	ND	0.010	ppm(v/v)	0.0040
1,2-Dichlorobenzene	ND	0.010	ppm(v/v)	0.0040
1,2,4-Trichloro-benzene	ND	0.10	ppm(v/v)	0.0030
Hexachlorobutadiene	ND	0.020	ppm(v/v)	0.0050
Methyl tert-butyl ether (MTBE)	ND	0.050	ppm(v/v)	0.0025

NOTE(S):

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

GAC0002D_AV081502_0001

GC/MS Volatiles

Lot-Sample #: E2H160208-002 **Work Order #:** E6MN81AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ppm(v/v)

HALEY & ALDRICH INC

Client Sample ID: GAC0002D_AV081502_0001

GC/MS Volatiles

Lot-Sample #...:	E2H160208-002	**Work Order #...:**	E6MN82AA	**Matrix.....:**	AIR
Date Sampled...:	08/15/02 14:00	**Date Received..:**	08/15/02 21:50	**MS Run #.....:**	
Prep Date.....:	08/16/02	**Analysis Date..:**	08/16/02		
Prep Batch #...:	2228496	**Analysis Time..:**	13:45		
Dilution Factor:	83.33				
Analyst ID.....:	007319	**Instrument ID..:**	MSB		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Trichloroethene	**4.4**	**0.17**	**ppm(v/v)**	**0.050**

HALEY & ALDRICH INC

Client Sample ID: GAC0002E_AV081502_0001

GC/MS Volatiles

Lot-Sample #...: E2H160208-003 **Work Order #...:** E6MN91AA **Matrix.....:** AIR
Date Sampled...: 08/15/02 14:00 **Date Received..:** 08/15/02 21:50 **MS Run #.....:**
Prep Date.....: 08/16/02 **Analysis Date..:** 08/16/02
Prep Batch #...: 2228496 **Analysis Time..:** 13:11
Dilution Factor: 8.33
Analyst ID.....: 007319 **Instrument ID..:** MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Total Non-Methane Hydrocarbons as Hexane	**3.5 J**	**4.2**	**ppm(v/v)**	**0.83**
Dichlorodifluoromethane	**0.0072 J**	**0.017**	**ppm(v/v)**	**0.0042**
Chloromethane	ND	0.033	ppm(v/v)	0.0083
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.017	ppm(v/v)	0.0067
Vinyl chloride	ND	0.017	ppm(v/v)	0.0067
Bromomethane	ND	0.017	ppm(v/v)	0.0083
Chloroethane	ND	0.033	ppm(v/v)	0.0067
Trichlorofluoromethane	**0.039**	**0.017**	**ppm(v/v)**	**0.0042**
1,1-Dichloroethene	**2.6**	**0.017**	**ppm(v/v)**	**0.0042**
Carbon disulfide	ND	0.083	ppm(v/v)	0.017
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.017	ppm(v/v)	0.0042
Acetone	ND	0.083	ppm(v/v)	0.017
Methylene chloride	**0.016 J**	**0.017**	**ppm(v/v)**	**0.0067**
trans-1,2-Dichloroethene	ND	0.017	ppm(v/v)	0.0042
1,1-Dichloroethane	**0.095**	**0.017**	**ppm(v/v)**	**0.0042**
Vinyl acetate	ND	0.083	ppm(v/v)	0.017
cis-1,2-Dichloroethene	ND	0.017	ppm(v/v)	0.0067
2-Butanone (MEK)	ND	0.083	ppm(v/v)	0.017
Chloroform	**0.86**	**0.017**	**ppm(v/v)**	**0.0067**
1,1,1-Trichloroethane	ND	0.017	ppm(v/v)	0.0042
Carbon tetrachloride	ND	0.017	ppm(v/v)	0.0042
Benzene	ND	0.017	ppm(v/v)	0.0067
1,2-Dichloroethane	ND	0.017	ppm(v/v)	0.0067
Trichloroethene	ND	0.017	ppm(v/v)	0.0050
1,2-Dichloropropane	ND	0.017	ppm(v/v)	0.0067
Bromodichloromethane	ND	0.017	ppm(v/v)	0.0067
cis-1,3-Dichloropropene	ND	0.017	ppm(v/v)	0.0042
4-Methyl-2-pentanone (MIBK)	ND	0.083	ppm(v/v)	0.017
Toluene	ND	0.042	ppm(v/v)	0.0042
trans-1,3-Dichloropropene	ND	0.017	ppm(v/v)	0.0067
1,1,2-Trichloroethane	ND	0.017	ppm(v/v)	0.0050
Tetrachloroethene	ND	0.017	ppm(v/v)	0.0042
2-Hexanone	ND	0.25	ppm(v/v)	0.0083

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HALEY & ALDRICH INC

Client Sample ID: GAC0002E_AV081502_0001

GC/MS Volatiles

Lot-Sample #...: E2H160208-003 **Work Order #...:** E6MN91AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibromochloromethane	ND	0.017	ppm(v/v)	0.0042
1,2-Dibromoethane (EDB)	ND	0.017	ppm(v/v)	0.0042
Chlorobenzene	ND	0.017	ppm(v/v)	0.0042
Ethylbenzene	ND	0.017	ppm(v/v)	0.0042
Xylenes (total)	ND	0.017	ppm(v/v)	0.0067
Styrene	ND	0.017	ppm(v/v)	0.0050
Bromoform	ND	0.017	ppm(v/v)	0.0042
1,1,2,2-Tetrachloroethane	ND	0.017	ppm(v/v)	0.0042
Benzyl chloride	ND	0.083	ppm(v/v)	0.0067
4-Ethyltoluene	ND	0.017	ppm(v/v)	0.0058
1,3,5-Trimethylbenzene	ND	0.017	ppm(v/v)	0.0067
1,2,4-Trimethylbenzene	ND	0.017	ppm(v/v)	0.0042
1,3-Dichlorobenzene	ND	0.017	ppm(v/v)	0.0050
1,4-Dichlorobenzene	ND	0.017	ppm(v/v)	0.0067
1,2-Dichlorobenzene	ND	0.017	ppm(v/v)	0.0067
1,2,4-Trichloro-benzene	ND	0.17	ppm(v/v)	0.0050
Hexachlorobutadiene	ND	0.033	ppm(v/v)	0.0083
Methyl tert-butyl ether (MTBE)	ND	0.083	ppm(v/v)	0.0042

NOTE(S):

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

GAC0002E_AV081502_0001

GC/MS Volatiles

Lot-Sample #: E2H160208-003 **Work Order #:** E6MN91AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ppm(v/v)

HALEY & ALDRICH INC

Client Sample ID: HA_160_081502_0001

GC/MS Volatiles

Lot-Sample #...: E2H160208-004 **Work Order #...:** E6MPA1AA **Matrix.....:** WATER
Date Sampled...: 08/15/02 12:00 **Date Received..:** 08/15/02 21:50 **MS Run #.....:** 2231147
Prep Date.....: 08/16/02 **Analysis Date..:** 08/16/02
Prep Batch #...: 2231296 **Analysis Time..:** 20:25
Dilution Factor: 1
Analyst ID.....: 004648 **Instrument ID..:** MSC
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Chloromethane	ND	2.0	ug/L	0.30
Vinyl chloride	ND	0.50	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,1-Dichloroethene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
Methyl tert-butyl ether	**4.4**	**1.0**	**ug/L**	**0.50**
Carbon disulfide	ND	1.0	ug/L	0.30
Acetone	ND	10	ug/L	3.0
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
2,2-Dichloropropane	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
2-Butanone	ND	5.0	ug/L	3.0
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Carbon tetrachloride	ND	0.50	ug/L	0.30
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Benzene	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Bromodichloromethane	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Toluene	ND	1.0	ug/L	0.30
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Dibromochloromethane	ND	1.0	ug/L	0.40
Chlorobenzene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
Ethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.80
Styrene	ND	1.0	ug/L	0.30

(Continued on next page)

HALEY & ALDRICH INC

Client Sample ID: HA_160_081502_0001

GC/MS Volatiles

Lot-Sample #...: E2H160208-004 **Work Order #...:** E6MPA1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromoform	ND	1.0	ug/L	0.30
Isopropylbenzene	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
n-Propylbenzene	ND	1.0	ug/L	0.40
Bromobenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
n-Butylbenzene	ND	1.0	ug/L	0.30
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
Hexachlorobutadiene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
Acrolein	ND	20	ug/L	12
Tert-amyl methyl ether	ND	2.0	ug/L	0.50
Acrylonitrile	ND	20	ug/L	10
Tert-butyl ethyl ether	ND	2.0	ug/L	0.50
t-Butanol	ND	25	ug/L	6.0
Iodomethane	ND	2.0	ug/L	1.0
Isopropyl ether	ND	2.0	ug/L	0.50
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0
Tetrahydrofuran	ND	10	ug/L	2.0
Vinyl acetate	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(75 - 130)
1,2-Dichloroethane-d4	100	(65 - 135)
Toluene-d8	90	(80 - 130)

HALEY & ALDRICH INC

HA_160_081502_0001

GC/MS Volatiles

Lot-Sample #: E2H160208-004 **Work Order #:** E6MPA1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

QC DATA ASSOCIATION SUMMARY

E2H160208

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	EPA-21 TO-14A		2228496	
002	AIR	EPA-21 TO-14A		2228496	
003	AIR	EPA-21 TO-14A		2228496	
004	WATER	SW846 8260B		2231296	2231147

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2H160208
MB Lot-Sample #: M2H160000-496

Work Order #...: E6PAG1AA
Prep Date.....: 08/16/02
Prep Batch #...: 2228496
Analyst ID.....: 007319

Matrix.....: AIR
Analysis Time..: 12:05
Instrument ID..: MSB

Analysis Date..: 08/16/02
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Total Non-Methane Hydroca	ND	0.50	ppm(v/v)	EPA-21 TO-14A
Dichlorodifluoromethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Chloromethane	ND	0.0040	ppm(v/v)	EPA-21 TO-14A
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Bromomethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Chloroethane	ND	0.0040	ppm(v/v)	EPA-21 TO-14A
Trichlorofluoromethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Carbon disulfide	ND	0.010	ppm(v/v)	EPA-21 TO-14A
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Acetone	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Methylene chloride	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,1-Dichloroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Vinyl acetate	ND	0.010	ppm(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
2-Butanone (MEK)	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Chloroform	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,1,1-Trichloroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Carbon tetrachloride	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2-Dichloroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Trichloroethene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2-Dichloropropane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Bromodichloromethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
cis-1,3-Dichloropropene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
4-Methyl-2-pentanone (MIBK)	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
trans-1,3-Dichloropropene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,1,2-Trichloroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
2-Hexanone	ND	0.030	ppm(v/v)	EPA-21 TO-14A
Dibromochloromethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2-Dibromoethane (EDB)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Chlorobenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2H160208 **Work Order #...:** E6PAG1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Styrene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Bromoform	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,1,2,2-Tetrachloroethane	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Benzyl chloride	ND	0.010	ppm(v/v)	EPA-21 TO-14A
4-Ethyltoluene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,3,5-Trimethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2,4-Trimethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,3-Dichlorobenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,4-Dichlorobenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2-Dichlorobenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
1,2,4-Trichloro-benzene	ND	0.020	ppm(v/v)	EPA-21 TO-14A
Hexachlorobutadiene	ND	0.0040	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.010	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2H160208
MB Lot-Sample #: E2H190000-296

Analysis Date..: 08/16/02
Dilution Factor: 1

Work Order #...: E6QQG1AA

Prep Date.....: 08/16/02
Prep Batch #...: 2231296

Analyst ID.....: 004648

Matrix.....: WATER

Analysis Time..: 18:56
Instrument ID..: MSC

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Acetone	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2H160208 **Work Order #...:** E6QQG1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Tert-amyl methyl ether	ND	2.0	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Tert-butyl ethyl ether	ND	2.0	ug/L	SW846 8260B
t-Butanol	ND	25	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isopropyl ether	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(75 - 130)
1,2-Dichloroethane-d4	98	(65 - 135)
Toluene-d8	88	(80 - 130)

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 #...: E2H160208 **Work Order #...:** E6PAG1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M2H160000-496 E6PAG1AD-LCSD
Prep Date.....: 08/16/02 **Analysis Date..:** 08/16/02
Prep Batch #...: 2228496 **Analysis Time..:** 11:00
Dilution Factor: 1 **Instrument ID..:** MSB
Analyst ID.....: 007319

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**105**	**(70 - 125)**			**EPA-21 TO-14A**
	106	**(70 - 125)**	**1.3**	**(0-20)**	**EPA-21 TO-14A**
Methylene chloride	**94**	**(75 - 120)**			**EPA-21 TO-14A**
	96	**(75 - 120)**	**1.7**	**(0-20)**	**EPA-21 TO-14A**
Trichloroethene	**94**	**(80 - 125)**			**EPA-21 TO-14A**
	95	**(80 - 125)**	**1.3**	**(0-20)**	**EPA-21 TO-14A**
Toluene	**101**	**(70 - 120)**			**EPA-21 TO-14A**
	103	**(70 - 120)**	**1.8**	**(0-20)**	**EPA-21 TO-14A**
1,1,2,2-Tetrachloroethane	**100**	**(70 - 130)**			**EPA-21 TO-14A**
	100	**(70 - 130)**	**0.61**	**(0-20)**	**EPA-21 TO-14A**

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 #...: E2H160208 **Work Order #...:** E6PAG1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M2H160000-496 E6PAG1AD-LCSD
Prep Date.....: 08/16/02 **Analysis Date..:** 08/16/02
Prep Batch #...: 2228496 **Analysis Time..:** 11:00
Dilution Factor: 1 **Instrument ID..:** MSB
Analyst ID.....: 007319

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	0.0592	0.0618	ppm(v/v)	105		EPA-21 TO-14A
	0.0592	0.0626	ppm(v/v)	106	1.3	EPA-21 TO-14A
Methylene chloride	0.0587	0.0552	ppm(v/v)	94		EPA-21 TO-14A
	0.0587	0.0562	ppm(v/v)	96	1.7	EPA-21 TO-14A
Trichloroethene	0.0594	0.0558	ppm(v/v)	94		EPA-21 TO-14A
	0.0594	0.0566	ppm(v/v)	95	1.3	EPA-21 TO-14A
Toluene	0.0557	0.0564	ppm(v/v)	101		EPA-21 TO-14A
	0.0557	0.0575	ppm(v/v)	103	1.8	EPA-21 TO-14A
1,1,2,2-Tetrachloroethane	0.0554	0.0552	ppm(v/v)	100		EPA-21 TO-14A
	0.0554	0.0556	ppm(v/v)	100	0.61	EPA-21 TO-14A

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 #...: E2H160208 **Work Order #...:** E6QQG1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2H190000-296
Prep Date.....: 08/16/02 **Analysis Date..:** 08/16/02
Prep Batch #...: 2231296 **Analysis Time..:** 17:57
Dilution Factor: 1 **Instrument ID..:** MSC
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**102**	**(70 - 140)**	**SW846 8260B**
Benzene	**96**	**(75 - 120)**	**SW846 8260B**
Trichloroethene	**105**	**(70 - 130)**	**SW846 8260B**
Toluene	**94**	**(75 - 125)**	**SW846 8260B**
Chlorobenzene	**95**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(75 - 130)
1,2-Dichloroethane-d4	92	(65 - 135)
Toluene-d8	95	(80 - 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 #...: E2H160208 **Work Order #...:** E6QQG1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2H190000-296
Prep Date.....: 08/16/02 **Analysis Date..:** 08/16/02
Prep Batch #...: 2231296 **Analysis Time..:** 17:57
Dilution Factor: 1 **Instrument ID..:** MSC
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Benzene	**10.0**	**9.61**	**ug/L**	**96**	**SW846 8260B**
Trichloroethene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Toluene	**10.0**	**9.44**	**ug/L**	**94**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.47**	**ug/L**	**95**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(75 - 130)
1,2-Dichloroethane-d4	92	(65 - 135)
Toluene-d8	95	(80 - 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/MS Volatiles

Client Lot #...: E2H160208 **Work Order #...:** E6MP31AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E2H160209-004 E6MP31AD-MSD
Date Sampled...: 08/15/02 07:59 **Date Received..:** 08/16/02 10:30 **MS Run #.....:** 2231147
Prep Date.....: 08/17/02 **Analysis Date..:** 08/17/02
Prep Batch #...: 2231296 **Analysis Time..:** 04:16
Dilution Factor: 1 **Analyst ID.....:** 004648 **Instrument ID..:** MSC

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**98**	**(70 - 140)**			**SW846 8260B**
	100	**(70 - 140)**	**2.1**	**(0-25)**	**SW846 8260B**
Benzene	**97**	**(75 - 120)**			**SW846 8260B**
	95	**(75 - 120)**	**2.3**	**(0-25)**	**SW846 8260B**
Trichloroethene	**108**	**(70 - 130)**			**SW846 8260B**
	105	**(70 - 130)**	**2.5**	**(0-25)**	**SW846 8260B**
Toluene	**93**	**(75 - 125)**			**SW846 8260B**
	92	**(75 - 125)**	**0.32**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**94**	**(75 - 120)**			**SW846 8260B**
	93	**(75 - 120)**	**0.64**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(75 - 130)
	108	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
	104	(65 - 135)
Toluene-d8	90	(80 - 130)
	89	(80 - 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 #...: E2H160208 **Work Order #...:** E6MP31AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E2H160209-004 E6MP31AD-MSD
Date Sampled...: 08/15/02 07:59 **Date Received..:** 08/16/02 10:30 **MS Run #.....:** 2231147
Prep Date.....: 08/17/02 **Analysis Date..:** 08/17/02
Prep Batch #...: 2231296 **Analysis Time..:** 04:16
Dilution Factor: 1 **Analyst ID.....:** 004648 **Instrument ID..:** MSC

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**9.79**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**10.0**	**ug/L**	**100**	**2.1**	**SW846 8260B**
Benzene	**ND**	**10.0**	**9.71**	**ug/L**	**97**		**SW846 8260B**
	ND	**10.0**	**9.49**	**ug/L**	**95**	**2.3**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**10.8**	**ug/L**	**108**		**SW846 8260B**
	ND	**10.0**	**10.5**	**ug/L**	**105**	**2.5**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.26**	**ug/L**	**93**		**SW846 8260B**
	ND	**10.0**	**9.23**	**ug/L**	**92**	**0.32**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.40**	**ug/L**	**94**		**SW846 8260B**
	ND	**10.0**	**9.34**	**ug/L**	**93**	**0.64**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(75 - 130)
	108	(75 - 130)
1,2-Dichloroethane-d4	103	(65 - 135)
	104	(65 - 135)
Toluene-d8	90	(80 - 130)
	89	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

ANALYTICAL REPORT

PROJECT NO. CA000594.0001.00002

BRC Former C-6 Facility, Torra

Lot #: E2H200306

Olivia Edwards

ARCADIS Geraghty & Miller, Inc

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

August 27, 2002

EXECUTIVE SUMMARY - Detection Highlights

E2H200306

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
C-6FacilityB2SoilCharacterization 08/20/02 10:30 001				
Aluminum	9500	20.0	mg/kg	SW846 6010B
Arsenic	5.5	1.0	mg/kg	SW846 6010B
Barium	40.9	2.0	mg/kg	SW846 6010B
Beryllium	0.34 B,J	0.50	mg/kg	SW846 6010B
Cobalt	4.9 B	5.0	mg/kg	SW846 6010B
Chromium	16.8 J	1.0	mg/kg	SW846 6010B
Copper	8.1	2.5	mg/kg	SW846 6010B
Molybdenum	1.2 B	4.0	mg/kg	SW846 6010B
Nickel	10.5	4.0	mg/kg	SW846 6010B
Lead	3.0	0.50	mg/kg	SW846 6010B
Selenium	0.78	0.50	mg/kg	SW846 6010B
Vanadium	27.3	5.0	mg/kg	SW846 6010B
Zinc	31.4	2.0	mg/kg	SW846 6010B
C-6FacilityB2PWaterCharacterization 08/20/02 10:45 002				
Unknown Hydrocarbon	0.35	0.10	mg/L	SW846 8015B
Barium - DISSOLVED	0.073	0.020	mg/L	SW846 6010B
Molybdenum - DISSOLVED	0.010 B	0.040	mg/L	SW846 6010B
Trichloroethene	1300	50	ug/L	SW846 8260B

METHODS SUMMARY

E2H200306

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Extractable Petroleum Hydrocarbons	SW846 8015B	SW846 3510
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
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

E2H200306

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
E6WGN	001	C-6FacilityB2SoilCharacterization	08/20/02	10:30
E60VA	002	C-6FacilityB2PWaterCharacterization	08/20/02	10:45
E60VF	003	Trip Blank	08/16/02	

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.

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2SoilCharacterization

GC/MS Volatiles

Lot-Sample #...: E2H200306-001 **Work Order #...:** E6WGN1AX **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2235196
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235390 **Analysis Time..:** 13:52
Dilution Factor: 1
% Moisture.....: **Analyst ID.....:** 004648 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	15
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	3.0
Bromomethane	ND	10	ug/kg	8.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	3.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	3.0
Dibromomethane	ND	5.0	ug/kg	1.0
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
1,3-Dichloropropane	ND	5.0	ug/kg	3.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0

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ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2SoilCharacterization

GC/MS Volatiles

Lot-Sample #...: E2H200306-001 **Work Order #...:** E6WGN1AX **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
Naphthalene	ND	5.0	ug/kg	2.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	2.0
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Trichloroethene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	3.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.0	ug/kg	3.0
o-Xylene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(65 - 135)
1,2-Dichloroethane-d4	109	(60 - 140)
Toluene-d8	91	(70 - 130)

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2SoilCharacterization

GC Volatiles

Lot-Sample #...: E2H200306-001 **Work Order #...:** E6WGN1AW **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2233281
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2233541 **Analysis Time..:** 04:08
Dilution Factor: 1
% Moisture.....: **Analyst ID.....:** 001464 **Instrument ID..:** G13
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	1.0	mg/kg	0.20
Unknown Hydrocarbon	ND	1.0	mg/kg	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	89	(60 - 130)

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2SoilCharacterization

GC Semivolatiles

Lot-Sample #...: E2H200306-001 **Work Order #...:** E6WGN1AV **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2233144
Prep Date.....: 08/21/02 **Analysis Date..:** 08/21/02
Prep Batch #...: 2233312 **Analysis Time..:** 16:12
Dilution Factor: 1
% Moisture.....: **Analyst ID.....:** 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	2.0
C10-C11	ND	10	mg/kg	2.0
C12-C13	ND	10	mg/kg	2.0
C14-C15	ND	10	mg/kg	2.0
C16-C17	ND	10	mg/kg	2.0
C18-C19	ND	10	mg/kg	2.0
C20-C23	ND	10	mg/kg	2.0
C24-C27	ND	10	mg/kg	2.0
C28-C31	ND	10	mg/kg	2.0
C32-C35	ND	10	mg/kg	2.0
C36-C39	ND	10	mg/kg	2.0
C40+	ND	10	mg/kg	2.0
Total Carbon Chain Range	ND	10	mg/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	95	(60 - 130)

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2SoilCharacterization

TOTAL Metals

Lot-Sample #...: E2H200306-001 **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2233498						
Aluminum	**9500**	**20.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1EH**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 8.0	
Silver	ND	1.0	mg/kg	SW846 6010B	08/22-08/23/02	E6WGN1AK
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.10	
Arsenic	**5.5**	**1.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AL**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.40	
Barium	**40.9**	**2.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AM**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.10	
Beryllium	**0.34 B,J**	**0.50**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AN**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	08/22-08/23/02	E6WGN1AP
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.060	
Cobalt	**4.9 B**	**5.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AQ**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.10	
Chromium	**16.8 J**	**1.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AR**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.10	
Copper	**8.1**	**2.5**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AT**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.40	

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ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2SoilCharacterization

TOTAL Metals

Lot-Sample #...: E2H200306-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	**1.2 B**	**4.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AU**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.30	
Nickel	**10.5**	**4.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AC**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.30	
Lead	**3.0**	**0.50**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AD**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	08/22-08/23/02	E6WGN1AE
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.60	
Selenium	**0.78**	**0.50**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AF**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.40	
Thallium	ND	1.0	mg/kg	SW846 6010B	08/22-08/23/02	E6WGN1AG
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.80	
Vanadium	**27.3**	**5.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AH**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 0.10	
Zinc	**31.4**	**2.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E6WGN1AJ**
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2235234	MDL.....: 1.0	

Prep Batch #...: 2233507

Mercury	ND	0.10	mg/kg	SW846 7471A	08/22-08/23/02	E6WGN1AA
		Dilution Factor: 1		Analysis Time..: 09:45	Analyst ID.....: 000023	
		Instrument ID..: M04		MS Run #.....: 2235211	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2PWaterCharacterization

GC/MS Volatiles

Lot-Sample #...: E2H200306-002 **Work Order #...:** E60VA1AD **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2235141
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235318 **Analysis Time..:** 11:10
Dilution Factor: 50
Analyst ID.....: 004648 **Instrument ID..:** MSJ
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	500	ug/L	150
Benzene	ND	50	ug/L	15
Bromobenzene	ND	50	ug/L	15
Bromochloromethane	ND	50	ug/L	15
Bromoform	ND	50	ug/L	15
Bromomethane	ND	100	ug/L	50
2-Butanone	ND	250	ug/L	150
n-Butylbenzene	ND	50	ug/L	15
sec-Butylbenzene	ND	50	ug/L	15
tert-Butylbenzene	ND	50	ug/L	10
Carbon disulfide	ND	50	ug/L	15
Carbon tetrachloride	ND	50	ug/L	15
Chlorobenzene	ND	50	ug/L	15
Dibromochloromethane	ND	50	ug/L	20
Bromodichloromethane	ND	50	ug/L	15
Chloroethane	ND	100	ug/L	15
Chloroform	ND	50	ug/L	15
Chloromethane	ND	100	ug/L	15
2-Chlorotoluene	ND	50	ug/L	15
4-Chlorotoluene	ND	50	ug/L	15
1,2-Dibromo-3-chloro-propane	ND	100	ug/L	35
1,2-Dibromoethane (EDB)	ND	50	ug/L	15
Dibromomethane	ND	50	ug/L	20
1,2-Dichlorobenzene	ND	50	ug/L	15
1,3-Dichlorobenzene	ND	50	ug/L	15
1,4-Dichlorobenzene	ND	50	ug/L	15
Dichlorodifluoromethane	ND	100	ug/L	20
1,1-Dichloroethane	ND	50	ug/L	10
1,2-Dichloroethane	ND	50	ug/L	20
1,1-Dichloroethene	ND	50	ug/L	15
cis-1,2-Dichloroethene	ND	50	ug/L	15
trans-1,2-Dichloroethene	ND	50	ug/L	15
1,2-Dichloropropane	ND	50	ug/L	15
1,3-Dichloropropane	ND	50	ug/L	20
2,2-Dichloropropane	ND	50	ug/L	15
1,1-Dichloropropene	ND	50	ug/L	15

(Continued on next page)

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2PWaterCharacterization

GC/MS Volatiles

Lot-Sample #...: E2H200306-002 **Work Order #...:** E60VA1AD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	50	ug/L	15
trans-1,3-Dichloropropene	ND	50	ug/L	25
Ethylbenzene	ND	50	ug/L	10
Hexachlorobutadiene	ND	50	ug/L	15
2-Hexanone	ND	250	ug/L	150
Isopropylbenzene	ND	50	ug/L	15
p-Isopropyltoluene	ND	50	ug/L	15
Methylene chloride	ND	50	ug/L	15
4-Methyl-2-pentanone	ND	250	ug/L	150
Methyl tert-butyl ether	ND	50	ug/L	25
Naphthalene	ND	50	ug/L	25
n-Propylbenzene	ND	50	ug/L	20
Styrene	ND	50	ug/L	15
1,1,1,2-Tetrachloroethane	ND	50	ug/L	15
1,1,2,2-Tetrachloroethane	ND	50	ug/L	20
Tetrachloroethene	ND	50	ug/L	15
Toluene	ND	50	ug/L	15
1,2,3-Trichlorobenzene	ND	50	ug/L	20
1,2,4-Trichloro-benzene	ND	50	ug/L	15
1,1,1-Trichloroethane	ND	50	ug/L	10
1,1,2-Trichloroethane	ND	50	ug/L	15
Trichloroethene	**1300**	**50**	**ug/L**	**15**
Trichlorofluoromethane	ND	100	ug/L	15
1,2,3-Trichloropropane	ND	50	ug/L	20
1,1,2-Trichlorotrifluoro-ethane	ND	50	ug/L	20
1,2,4-Trimethylbenzene	ND	50	ug/L	15
1,3,5-Trimethylbenzene	ND	50	ug/L	10
Vinyl chloride	ND	50	ug/L	15
m-Xylene & p-Xylene	ND	50	ug/L	25
o-Xylene	ND	50	ug/L	10
Xylenes (total)	ND	50	ug/L	40

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(75 - 130)
1,2-Dichloroethane-d4	116	(65 - 135)
Toluene-d8	102	(80 - 130)

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2PWaterCharacterization

GC Volatiles

Lot-Sample #...: E2H200306-002 **Work Order #...:** E60VA1AA **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2235136
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2235313 **Analysis Time..:** 22:20
Dilution Factor: 1
Analyst ID.....: 001464 **Instrument ID..:** G13
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	0.10	mg/L	0.040
Unknown Hydrocarbon	**0.35**	**0.10**	**mg/L**	**0.040**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	93	(60 - 130)

NOTE(S):

Unknown peaks were detected.

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2PWaterCharacterization

GC Semivolatiles

Lot-Sample #...: E2H200306-002 **Work Order #...:** E60VA1AC **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2234189
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2234347 **Analysis Time..:** 14:35
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	1.0	mg/L	0.20
C10-C11	ND	1.0	mg/L	0.20
C12-C13	ND	1.0	mg/L	0.20
C14-C15	ND	1.0	mg/L	0.20
C16-C17	ND	1.0	mg/L	0.20
C18-C19	ND	1.0	mg/L	0.20
C20-C23	ND	1.0	mg/L	0.20
C24-C27	ND	1.0	mg/L	0.20
C28-C31	ND	1.0	mg/L	0.20
C32-C35	ND	1.0	mg/L	0.20
C36-C39	ND	1.0	mg/L	0.20
C40+	ND	1.0	mg/L	0.20
Total Carbon Chain Range	ND	1.0	mg/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	97	(65 - 135)

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2PWaterCharacterization

DISSOLVED Metals

Lot-Sample #...: E2H200306-002 **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2234249						
Silver	ND	0.010	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AF
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0010	
Aluminum	ND	0.20	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AG
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.080	
Arsenic	ND	0.010	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AH
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0040	
Barium	**0.073**	**0.020**	**mg/L**	**SW846 6010B**	**08/22-08/23/02**	**E60VA1AJ**
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0010	
Beryllium	ND	0.0050	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AK
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.00050	
Cadmium	ND	0.0050	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AE
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.00060	
Cobalt	ND	0.050	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AL
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0010	
Chromium	ND	0.010	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AM
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0010	
Copper	ND	0.025	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AN
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0040	

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ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: C-6FacilityB2PWaterCharacterization

DISSOLVED Metals

Lot-Sample #...: E2H200306-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	**0.010 B**	**0.040**	**mg/L**	**SW846 6010B**	**08/22-08/23/02**	**E60VA1AP**
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0030	
Nickel	ND	0.040	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AQ
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0030	
Lead	ND	0.0050	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AR
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0030	
Antimony	ND	0.060	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AT
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0060	
Selenium	ND	0.0050	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AU
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0040	
Thallium	ND	0.010	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AV
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0080	
Vanadium	ND	0.050	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AW
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.0010	
Zinc	ND	0.020	mg/L	SW846 6010B	08/22-08/23/02	E60VA1AX
		Dilution Factor: 1		Analysis Time..: 12:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 2234111	MDL.....: 0.010	

Prep Batch #...: 2234294

Mercury	ND	0.00020	mg/L	SW846 7470A	08/22-08/23/02	E60VA1A0
		Dilution Factor: 1		Analysis Time..: 10:34	Analyst ID.....: 000023	
		Instrument ID..: M04		MS Run #.....: 2234136	MDL.....: 0.00010	

NOTE(S):

B Estimated result. Result is less than RL.

ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: Trip Blank

GC/MS Volatiles

Lot-Sample #...: E2H200306-003 **Work Order #...:** E60VF1AA **Matrix.....:** WATER
Date Sampled...: 08/16/02 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2235141
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235318 **Analysis Time..:** 09:11
Dilution Factor: 1
Analyst ID.....: 004648 **Instrument ID..:** MSJ
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Carbon tetrachloride	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.70
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.40
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	2.0	ug/L	0.40
1,1-Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,2-Dichloropropane	ND	1.0	ug/L	0.30
1,3-Dichloropropane	ND	1.0	ug/L	0.40
2,2-Dichloropropane	ND	1.0	ug/L	0.30
1,1-Dichloropropene	ND	1.0	ug/L	0.30

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ARCADIS GERAGHTY & MILLER, INC

Client Sample ID: Trip Blank

GC/MS Volatiles

Lot-Sample #...: E2H200306-003 **Work Order #...:** E60VF1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.30
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.20
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	3.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	3.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
Naphthalene	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	1.0	ug/L	0.30
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.80

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(75 - 130)
1,2-Dichloroethane-d4	110	(65 - 135)
Toluene-d8	100	(80 - 130)

QC DATA ASSOCIATION SUMMARY

E2H200306

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		2233312	2233144
	SOLID	SW846 8015B		2233541	2233281
	SOLID	SW846 7471A		2233507	2235211
	SOLID	SW846 8260B		2235390	2235196
	SOLID	SW846 6010B		2233498	2235234
002	WATER	SW846 8015B		2234347	2234189
	WATER	SW846 8015B		2235313	2235136
	WATER	SW846 7470A		2234294	2234136
	WATER	SW846 8260B		2235318	2235141
	WATER	SW846 6010B		2234249	2234111
003	WATER	SW846 8260B		2235318	2235141

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2H200306
MB Lot-Sample #: E2H230000-318

Work Order #...: E64PA1AA

Matrix.....: WATER

Prep Date.....: 08/23/02
Prep Batch #...: 2235318

Analysis Time..: 08:38
Instrument ID..: MSJ

Analysis Date..: 08/23/02
Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2H200306 **Work Order #...:** E64PA1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(75 - 130)
1,2-Dichloroethane-d4	108	(65 - 135)
Toluene-d8	101	(80 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2H200306
MB Lot-Sample #: E2H230000-390

Work Order #...: E649K1AA
Prep Date.....: 08/23/02
Prep Batch #...: 2235390
Analyst ID.....: 999998

Matrix.....: SOLID
Analysis Time..: 09:08
Instrument ID..: MSD

Analysis Date..: 08/23/02
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2H200306 **Work Order #...:** E649K1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(65 - 135)
1,2-Dichloroethane-d4	112	(60 - 140)
Toluene-d8	96	(70 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E2H200306
MB Lot-Sample #: E2H210000-541

Work Order #...: E60R91AE

Matrix.....: SOLID

Prep Date.....: 08/22/02

Analysis Time..: 03:40

Analysis Date..: 08/22/02

Prep Batch #...: 2233541

Instrument ID..: G13

Dilution Factor: 1

Analyst ID.....: 001464

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	1.0	mg/kg	SW846 8015B
Unknown Hydrocarbon	ND	1.0	mg/kg	SW846 8015B

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

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E2H200306
MB Lot-Sample #: E2H230000-313

Analysis Date..: 08/22/02
Dilution Factor: 1

Work Order #...: E64LM1AA

Prep Date.....: 08/22/02
Prep Batch #...: 2235313

Analyst ID.....: 001464

Matrix.....: WATER

Analysis Time..: 21:52
Instrument ID..: G13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	0.10	mg/L	SW846 8015B
Unknown Hydrocarbon	ND	0.10	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	90	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E2H200306
MB Lot-Sample #: E2H210000-312

Work Order #...: E6XNF1AA

Matrix.....: SOLID

Prep Date.....: 08/21/02

Analysis Time..: 14:54

Analysis Date..: 08/21/02

Prep Batch #...: 2233312

Instrument ID..: G02

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	98	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E2H200306
MB Lot-Sample #: E2H220000-347
Work Order #...: E62GG1AA
Matrix.....: WATER
Prep Date.....: 08/22/02
Analysis Time..: 13:18
Analysis Date..: 08/22/02
Prep Batch #...: 2234347
Instrument ID..: G02
Dilution Factor: 1
Analyst ID.....: 356074

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C8-C9	ND	1.0	mg/L	SW846 8015B
C10-C11	ND	1.0	mg/L	SW846 8015B
C12-C13	ND	1.0	mg/L	SW846 8015B
C14-C15	ND	1.0	mg/L	SW846 8015B
C16-C17	ND	1.0	mg/L	SW846 8015B
C18-C19	ND	1.0	mg/L	SW846 8015B
C20-C23	ND	1.0	mg/L	SW846 8015B
C24-C27	ND	1.0	mg/L	SW846 8015B
C28-C31	ND	1.0	mg/L	SW846 8015B
C32-C35	ND	1.0	mg/L	SW846 8015B
C36-C39	ND	1.0	mg/L	SW846 8015B
C40+	ND	1.0	mg/L	SW846 8015B
Total Carbon Chain Range	ND	1.0	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	101	(65 - 135)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E2H210000-498 **Prep Batch #...:** 2233498						
Aluminum	ND	20.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AC
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51A0
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AD
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AE
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Beryllium	**0.053 B**	**0.50**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E60N51AF**
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AJ
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Chromium	**0.12 B**	**1.0**	**mg/kg**	**SW846 6010B**	**08/22-08/23/02**	**E60N51AL**
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AK
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Copper	ND	2.5	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AM
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Lead	ND	0.50	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AX
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AU
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	4.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AW
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	08/22-08/23/02	E60N51A1
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51AA
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51A5
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51A6
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	08/22-08/23/02	E60N51A7
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 021088	Instrument ID..: M01	

MB Lot-Sample #: E2H210000-507 **Prep Batch #...:** 2233507

Mercury	ND	0.10	mg/kg	SW846 7471A	08/22-08/23/02	E60PG1AA
		Dilution Factor: 1				
		Analysis Time..: 09:42		Analyst ID.....: 000023	Instrument ID..: M04	

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E2H220000-249 **Prep Batch #...:** 2234249						
Aluminum	ND	0.20	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AD
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Antimony	ND	0.060	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AP
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Arsenic	ND	0.010	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AE
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Barium	ND	0.020	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AF
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Beryllium	ND	0.0050	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AG
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Cadmium	ND	0.0050	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AA
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Chromium	ND	0.010	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Cobalt	ND	0.050	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AH
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Copper	ND	0.025	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AK
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Lead	ND	0.0050	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AN
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Molybdenum	ND	0.040	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AL
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.040	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AM
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Selenium	ND	0.0050	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AQ
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Silver	ND	0.010	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AC
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Thallium	ND	0.010	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AR
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Vanadium	ND	0.050	mg/L	SW846 6010B	08/22-08/23/02	E61RD1AT
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	
Zinc	**0.016 B**	**0.020**	**mg/L**	**SW846 6010B**	**08/22-08/23/02**	**E61RD1AU**
		Dilution Factor: 1				
		Analysis Time..: 12:30		Analyst ID.....: 021088	Instrument ID..: M01	

MB Lot-Sample #: E2H220000-294 **Prep Batch #...:** 2234294

Mercury	ND	0.00020	mg/L	SW846 7470A	08/22-08/23/02	E61371AA
		Dilution Factor: 1				
		Analysis Time..: 10:31		Analyst ID.....: 000023	Instrument ID..: M04	

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2H200306 **Work Order #...:** E64PA1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2H230000-318
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235318 **Analysis Time..:** 08:14
Dilution Factor: 1 **Instrument ID..:** MSJ
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**95**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**92**	**(75 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**94**	**(70 - 140)**	**SW846 8260B**
Toluene	**95**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**93**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	103	(80 - 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 #...: E2H200306 **Work Order #...:** E64PA1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2H230000-318
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235318 **Analysis Time..:** 08:14
Dilution Factor: 1 **Instrument ID..:** MSJ
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.51**	**ug/L**	**95**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.15**	**ug/L**	**92**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**9.40**	**ug/L**	**94**	**SW846 8260B**
Toluene	**10.0**	**9.51**	**ug/L**	**95**	**SW846 8260B**
Trichloroethene	**10.0**	**9.32**	**ug/L**	**93**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(75 - 130)
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	103	(80 - 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 #...: E2H200306 **Work Order #...:** E649K1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2H230000-390
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235390 **Analysis Time..:** 08:33
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**107**	**(81 - 119)**	**SW846 8260B**
Chlorobenzene	**94**	**(82 - 119)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(73 - 128)**	**SW846 8260B**
Toluene	**98**	**(80 - 122)**	**SW846 8260B**
Trichloroethene	**105**	**(78 - 121)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(60 - 128)
1,2-Dichloroethane-d4	117	(63 - 134)
Toluene-d8	97	(72 - 123)
Dibromofluoromethane	113	(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 #...: E2H200306 **Work Order #...:** E649K1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2H230000-390
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235390 **Analysis Time..:** 08:33
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**53.4**	**ug/kg**	**107**	**SW846 8260B**
Chlorobenzene	**50.0**	**47.2**	**ug/kg**	**94**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**53.3**	**ug/kg**	**107**	**SW846 8260B**
Toluene	**50.0**	**48.9**	**ug/kg**	**98**	**SW846 8260B**
Trichloroethene	**50.0**	**52.4**	**ug/kg**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(60 - 128)
1,2-Dichloroethane-d4	117	(63 - 134)
Toluene-d8	97	(72 - 123)
Dibromofluoromethane	113	(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 #...: E2H200306 **Work Order #...:** E60R91AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2H210000-541
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2233541 **Analysis Time..:** 02:44
Dilution Factor: 1 **Instrument ID..:** G13
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**102**	**(70 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	118	(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 #...: E2H200306 **Work Order #...:** E60R91AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2H210000-541
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2233541 **Analysis Time..:** 02:44
Dilution Factor: 1 **Instrument ID..:** G13
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.08**	**mg/kg**	**102**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	118	(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 Volatiles

Client Lot #...: E2H200306 **Work Order #...:** E64LM1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2H230000-313
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2235313 **Analysis Time..:** 21:24
Dilution Factor: 1 **Instrument ID..:** G13
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**103**	**(70 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	119	(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 #...: E2H200306 **Work Order #...:** E64LM1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2H230000-313
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2235313 **Analysis Time..:** 21:24
Dilution Factor: 1 **Instrument ID..:** G13
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**1.00**	**1.03**	**mg/L**	**103**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	119	(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 #...: E2H200306 **Work Order #...:** E6XNF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2H210000-312
Prep Date.....: 08/21/02 **Analysis Date..:** 08/21/02
Prep Batch #...: 2233312 **Analysis Time..:** 15:33
Dilution Factor: 1 **Instrument ID..:** G02
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**91**	**(55 - 130)**	**SW846 8015B**
Diesel Range Organics (C10-C25)	**87**	**(55 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	90	(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 #...: E2H200306 **Work Order #...:** E6XNF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E2H210000-312
Prep Date.....: 08/21/02 **Analysis Date..:** 08/21/02
Prep Batch #...: 2233312 **Analysis Time..:** 15:33
Dilution Factor: 1 **Instrument ID..:** G02
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**229**	**mg/kg**	**91**	**SW846 8015B**
Diesel Range Organics (C10-C25)	**250**	**218**	**mg/kg**	**87**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	90	(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 #...: E2H200306 **Work Order #...:** E62GG1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2H220000-347
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2234347 **Analysis Time..:** 13:57
Dilution Factor: 1 **Instrument ID..:** G02
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**99**	**(65 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	101	(65 - 135)

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 #...: E2H200306 **Work Order #...:** E62GG1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2H220000-347
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2234347 **Analysis Time..:** 13:57
Dilution Factor: 1 **Instrument ID..:** G02
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**5.00**	**4.97**	**mg/L**	**99**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	101	(65 - 135)

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 #...: E2H200306 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E2H210000-498 **Prep Batch #...:** 2233498					
Aluminum	99	(70 - 115)	SW846 6010B	08/22-08/23/02	E60N51A9
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Silver	90	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51A8
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Arsenic	106	(75 - 115)	SW846 6010B	08/22-08/23/02	E60N51CA
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Barium	100	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51CC
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Beryllium	109	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51CD
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Cadmium	98	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51CG
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Cobalt	101	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51CH
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Chromium	104	(85 - 120)	SW846 6010B	08/22-08/23/02	E60N51CJ
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Copper	106	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51CK
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Molybdenum	104	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51CR
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	97	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51CU
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Lead	102	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51CV
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Antimony	100	(75 - 115)	SW846 6010B	08/22-08/23/02	E60N51CW
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Selenium	97	(70 - 115)	SW846 6010B	08/22-08/23/02	E60N51CX
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Thallium	104	(75 - 125)	SW846 6010B	08/22-08/23/02	E60N51C3
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Vanadium	105	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51C4
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			
Zinc	106	(80 - 120)	SW846 6010B	08/22-08/23/02	E60N51C5
		Dilution Factor: 1	Analysis Time..: 13:45	Analyst ID.....: 021088	
		Instrument ID..: M01			

LCS Lot-Sample#: E2H210000-507 **Prep Batch #...:** 2233507

Mercury	98	(85 - 115)	SW846 7471A	08/22-08/23/02	E60PG1AC
		Dilution Factor: 1	Analysis Time..: 09:43	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 #...: E2H200306 **Matrix.....:** SOLID

LCS Lot-Sample#: E2H210000-498 **Prep Batch #...:** 2233498

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	200	197	mg/kg	99	SW846 6010B	08/22-08/23/02	E60N51A9
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Silver	5.00	4.50	mg/kg	90	SW846 6010B	08/22-08/23/02	E60N51A8
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Arsenic	200	213	mg/kg	106	SW846 6010B	08/22-08/23/02	E60N51CA
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Barium	200	199	mg/kg	100	SW846 6010B	08/22-08/23/02	E60N51CC
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Beryllium	5.00	5.46	mg/kg	109	SW846 6010B	08/22-08/23/02	E60N51CD
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cadmium	5.00	4.91	mg/kg	98	SW846 6010B	08/22-08/23/02	E60N51CG
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cobalt	50.0	50.7	mg/kg	101	SW846 6010B	08/22-08/23/02	E60N51CH
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Chromium	20.0	20.8	mg/kg	104	SW846 6010B	08/22-08/23/02	E60N51CJ
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Copper	25.0	26.4	mg/kg	106	SW846 6010B	08/22-08/23/02	E60N51CK
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Molybdenum	100	104	mg/kg	104	SW846 6010B	08/22-08/23/02	E60N51CR
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	50.0	48.7	mg/kg	97	SW846 6010B	08/22-08/23/02	E60N51CU
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Lead	50.0	51.2	mg/kg	102	SW846 6010B	08/22-08/23/02	E60N51CV
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Antimony	50.0	50.1	mg/kg	100	SW846 6010B	08/22-08/23/02	E60N51CW
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Selenium	200	194	mg/kg	97	SW846 6010B	08/22-08/23/02	E60N51CX
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Thallium	200	208	mg/kg	104	SW846 6010B	08/22-08/23/02	E60N51C3
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Vanadium	50.0	52.3	mg/kg	105	SW846 6010B	08/22-08/23/02	E60N51C4
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				
Zinc	50.0	53.0	mg/kg	106	SW846 6010B	08/22-08/23/02	E60N51C5
			Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 021088	
			Instrument ID..: M01				

LCS Lot-Sample#: E2H210000-507 **Prep Batch #...:** 2233507

Mercury	0.833	0.817	mg/kg	98	SW846 7471A	08/22-08/23/02	E60PG1AC
			Dilution Factor: 1		Analysis Time..: 09:43	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

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E2H220000-249 **Prep Batch #...:** 2234249					
Cadmium	100	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1AV
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Silver	88	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1AW
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Aluminum	102	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1AX
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Arsenic	107	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A0
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Barium	103	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A1
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Beryllium	104	(85 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A2
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Cobalt	101	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A3
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Chromium	101	(85 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A4
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Copper	103	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A5
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Molybdenum	102	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A6
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	99	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A7
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Lead	103	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A8
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Antimony	103	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1A9
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Selenium	99	(80 - 120)	SW846 6010B	08/22-08/23/02	E61RD1CA
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Thallium	102	(75 - 125)	SW846 6010B	08/22-08/23/02	E61RD1CC
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Vanadium	102	(85 - 120)	SW846 6010B	08/22-08/23/02	E61RD1CD
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			
Zinc	108	(85 - 120)	SW846 6010B	08/22-08/23/02	E61RD1CE
		Dilution Factor: 1	Analysis Time..: 12:35	Analyst ID.....: 021088	
		Instrument ID..: M01			

LCS Lot-Sample#: E2H220000-294 **Prep Batch #...:** 2234294

Mercury	97	(80 - 120)	SW846 7470A	08/22-08/23/02	E61371AC
		Dilution Factor: 1	Analysis Time..: 10:33	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

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER

LCS Lot-Sample#: E2H220000-249 **Prep Batch #...:** 2234249

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	0.0500	0.0501	mg/L	100	SW846 6010B	08/22-08/23/02	E61RD1AV
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Silver	0.0500	0.0439	mg/L	88	SW846 6010B	08/22-08/23/02	E61RD1AW
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Aluminum	2.00	2.04	mg/L	102	SW846 6010B	08/22-08/23/02	E61RD1AX
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Arsenic	2.00	2.14	mg/L	107	SW846 6010B	08/22-08/23/02	E61RD1A0
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Barium	2.00	2.06	mg/L	103	SW846 6010B	08/22-08/23/02	E61RD1A1
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Beryllium	0.0500	0.0522	mg/L	104	SW846 6010B	08/22-08/23/02	E61RD1A2
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cobalt	0.500	0.504	mg/L	101	SW846 6010B	08/22-08/23/02	E61RD1A3
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Chromium	0.200	0.202	mg/L	101	SW846 6010B	08/22-08/23/02	E61RD1A4
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Copper	0.250	0.257	mg/L	103	SW846 6010B	08/22-08/23/02	E61RD1A5
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Molybdenum	1.00	1.02	mg/L	102	SW846 6010B	08/22-08/23/02	E61RD1A6
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	0.500	0.495	mg/L	99	SW846 6010B	08/22-08/23/02	E61RD1A7
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Lead	0.500	0.514	mg/L	103	SW846 6010B	08/22-08/23/02	E61RD1A8
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Antimony	0.500	0.517	mg/L	103	SW846 6010B	08/22-08/23/02	E61RD1A9
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Selenium	2.00	1.99	mg/L	99	SW846 6010B	08/22-08/23/02	E61RD1CA
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Thallium	2.00	2.05	mg/L	102	SW846 6010B	08/22-08/23/02	E61RD1CC
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Vanadium	0.500	0.512	mg/L	102	SW846 6010B	08/22-08/23/02	E61RD1CD
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				
Zinc	0.500	0.539	mg/L	108	SW846 6010B	08/22-08/23/02	E61RD1CE
			Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 021088	
			Instrument ID..: M01				

LCS Lot-Sample#: E2H220000-294 **Prep Batch #...:** 2234294

Mercury	0.00500	0.00484	mg/L	97	SW846 7470A	08/22-08/23/02	E61371AC
			Dilution Factor: 1		Analysis Time..: 10:33	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 #...: E2H200306 **Work Order #...:** E61W11AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E2H220187-001 E61W11AD-MSD
Date Sampled...: 08/21/02 13:00 **Date Received..:** 08/22/02 10:00 **MS Run #.....:** 2235141
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235318 **Analysis Time..:** 09:59
Dilution Factor: 1 **Analyst ID.....:** 004648 **Instrument ID..:** MSJ

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**100**	**(75 - 120)**			**SW846 8260B**
	96	**(75 - 120)**	**3.4**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**97**	**(75 - 120)**			**SW846 8260B**
	91	**(75 - 120)**	**6.0**	**(0-25)**	**SW846 8260B**
1,1-Dichloroethene	**96**	**(70 - 140)**			**SW846 8260B**
	94	**(70 - 140)**	**2.1**	**(0-25)**	**SW846 8260B**
Toluene	**98**	**(75 - 125)**			**SW846 8260B**
	94	**(75 - 125)**	**4.3**	**(0-25)**	**SW846 8260B**
Trichloroethene	**96**	**(70 - 130)**			**SW846 8260B**
	94	**(70 - 130)**	**2.5**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
	94	(75 - 130)
1,2-Dichloroethane-d4	106	(65 - 135)
	102	(65 - 135)
Toluene-d8	107	(80 - 130)
	101	(80 - 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 #...: E2H200306 **Work Order #...:** E61W11AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E2H220187-001 E61W11AD-MSD
Date Sampled...: 08/21/02 13:00 **Date Received..:** 08/22/02 10:00 **MS Run #.....:** 2235141
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235318 **Analysis Time..:** 09:59
Dilution Factor: 1 **Analyst ID.....:** 004648 **Instrument ID..:** MSJ

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**9.98**	**ug/L**	**100**		**SW846 8260B**
	ND	**10.0**	**9.65**	**ug/L**	**96**	**3.4**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.68**	**ug/L**	**97**		**SW846 8260B**
	ND	**10.0**	**9.12**	**ug/L**	**91**	**6.0**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**9.61**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**9.41**	**ug/L**	**94**	**2.1**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.79**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**9.38**	**ug/L**	**94**	**4.3**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**9.60**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**9.36**	**ug/L**	**94**	**2.5**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
	94	(75 - 130)
1,2-Dichloroethane-d4	106	(65 - 135)
	102	(65 - 135)
Toluene-d8	107	(80 - 130)
	101	(80 - 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/MS Volatiles

Client Lot #...: E2H200306 **Work Order #...:** E6XKE1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2H210211-022 E6XKE1AF-MSD
Date Sampled...: 08/20/02 13:01 **Date Received..:** 08/21/02 10:15 **MS Run #.....:** 2235196
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235390 **Analysis Time..:** 12:52
Dilution Factor: 1 **% Moisture.....:** 100 **Analyst ID.....:** 999998
Instrument ID..: MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**110**	**(70 - 130)**			**SW846 8260B**
	111	**(70 - 130)**	**1.1**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**94**	**(70 - 130)**			**SW846 8260B**
	94	**(70 - 130)**	**0.80**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**109**	**(65 - 150)**			**SW846 8260B**
	111	**(65 - 150)**	**1.6**	**(0-30)**	**SW846 8260B**
Toluene	**102**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**1.5**	**(0-30)**	**SW846 8260B**
Trichloroethene	**100**	**(70 - 135)**			**SW846 8260B**
	103	**(70 - 135)**	**2.1**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(65 - 135)
	96	(65 - 135)
1,2-Dichloroethane-d4	116	(60 - 140)
	120	(60 - 140)
Toluene-d8	97	(70 - 130)
	93	(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 #...: E2H200306 **Work Order #...:** E6XKE1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2H210211-022 E6XKE1AF-MSD
Date Sampled...: 08/20/02 13:01 **Date Received..:** 08/21/02 10:15 **MS Run #.....:** 2235196
Prep Date.....: 08/23/02 **Analysis Date..:** 08/23/02
Prep Batch #...: 2235390 **Analysis Time..:** 12:52
Dilution Factor: 1 **% Moisture.....:** 100 **Analyst ID.....:** 999998
Instrument ID..: MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**50.0**	**55.1**	**ug/kg**	**110**		**SW846 8260B**
	ND	**50.0**	**55.6**	**ug/kg**	**111**	**1.1**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**46.8**	**ug/kg**	**94**		**SW846 8260B**
	ND	**50.0**	**47.2**	**ug/kg**	**94**	**0.80**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**50.0**	**54.4**	**ug/kg**	**109**		**SW846 8260B**
	ND	**50.0**	**55.3**	**ug/kg**	**111**	**1.6**	**SW846 8260B**
Toluene	**ND**	**50.0**	**51.2**	**ug/kg**	**102**		**SW846 8260B**
	ND	**50.0**	**50.4**	**ug/kg**	**101**	**1.5**	**SW846 8260B**
Trichloroethene	**ND**	**50.0**	**50.2**	**ug/kg**	**100**		**SW846 8260B**
	ND	**50.0**	**51.3**	**ug/kg**	**103**	**2.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(65 - 135)
	96	(65 - 135)
1,2-Dichloroethane-d4	116	(60 - 140)
	120	(60 - 140)
Toluene-d8	97	(70 - 130)
	93	(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 #...:	E2H200306	**Work Order #...:**	E6XJG1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E2H210211-007		E6XJG1AF-MSD		
Date Sampled...:	08/20/02 12:16	**Date Received..:**	08/21/02 10:15	**MS Run #.....:**	2233281
Prep Date.....:	08/22/02	**Analysis Date..:**	08/22/02		
Prep Batch #...:	2233541	**Analysis Time..:**	06:00		
Dilution Factor:	1	**% Moisture.....:**	100	**Analyst ID.....:**	001464
Instrument ID..:	G13				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**50 a**	**(70 - 140)**			**SW846 8015B**
	58 a	**(70 - 140)**	**16**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	99	(60 - 130)
	103	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Low recovery due to matrix effect.

Low recovery due to matrix effect.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E2H200306 **Work Order #...:** E6XJG1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2H210211-007 E6XJG1AF-MSD
Date Sampled...: 08/20/02 12:16 **Date Received..:** 08/21/02 10:15 **MS Run #.....:** 2233281
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2233541 **Analysis Time..:** 06:00
Dilution Factor: 1 **% Moisture.....:** 100 **Analyst ID.....:** 001464
Instrument ID..: G13

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**2.48**	**mg/kg**	**50 a**		**SW846 8015B**
	ND	**5.00**	**2.91**	**mg/kg**	**58 a**	**16**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	99	(60 - 130)
	103	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Low recovery due to matrix effect.

Low recovery due to matrix effect.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E2H200306	**Work Order #...:**	E60VA1C9-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	E2H200306-002		E60VA1DA-MSD		
Date Sampled...:	08/20/02 10:45	**Date Received..:**	08/20/02 12:30	**MS Run #.....:**	2235136
Prep Date.....:	08/22/02	**Analysis Date..:**	08/22/02		
Prep Batch #...:	2235313	**Analysis Time..:**	22:48		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G13

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**94**	**(70 - 140)**			**SW846 8015B**
	96	**(70 - 140)**	**1.9**	**(0-25)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	121	(60 - 130)
	123	(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 #...: E2H200306 **Work Order #...:** E60VA1C9-MS **Matrix.....:** WATER
MS Lot-Sample #: E2H200306-002 E60VA1DA-MSD
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2235136
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2235313 **Analysis Time..:** 22:48
Dilution Factor: 1 **Analyst ID.....:** 001464 **Instrument ID..:** G13

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	**ND**	**1.00**	**0.942**	**mg/L**	**94**		**SW846 8015B**
	ND	**1.00**	**0.960**	**mg/L**	**96**	**1.9**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	121	(60 - 130)
	123	(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 #...: E2H200306 **Work Order #...:** E6WGN1A0-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2H200306-001 E6WGN1A1-MSD
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2233144
Prep Date.....: 08/21/02 **Analysis Date..:** 08/21/02
Prep Batch #...: 2233312 **Analysis Time..:** 16:51
Dilution Factor: 1 **% Moisture.....:** **Analyst ID.....:** 356074
Instrument ID..: G02

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**97**	**(55 - 130)**			**SW846 8015B**
	90	**(55 - 130)**	**7.0**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	95	(60 - 130)
	88	(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 #...: E2H200306 **Work Order #...:** E6WGN1A0-MS **Matrix.....:** SOLID
MS Lot-Sample #: E2H200306-001 E6WGN1A1-MSD
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2233144
Prep Date.....: 08/21/02 **Analysis Date..:** 08/21/02
Prep Batch #...: 2233312 **Analysis Time..:** 16:51
Dilution Factor: 1 **% Moisture.....:** **Analyst ID.....:** 356074
Instrument ID..: G02

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	**ND**	**250**	**243**	**mg/kg**	**97**		**SW846 8015B**
	ND	**250**	**226**	**mg/kg**	**90**	**7.0**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	95	(60 - 130)
	88	(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 #...:	E2H200306	**Work Order #...:**	E60VA1C7-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	E2H200306-002		E60VA1C8-MSD		
Date Sampled...:	08/20/02 10:45	**Date Received..:**	08/20/02 12:30	**MS Run #.....:**	2234189
Prep Date.....:	08/22/02	**Analysis Date..:**	08/22/02		
Prep Batch #...:	2234347	**Analysis Time..:**	15:12		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G02

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**98**	**(65 - 140)**			**SW846 8015B**
	98	**(65 - 140)**	**0.03**	**(0-25)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	98	(65 - 135)
	96	(65 - 135)

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 #...: E2H200306 **Work Order #...:** E60VA1C7-MS **Matrix.....:** WATER
MS Lot-Sample #: E2H200306-002 E60VA1C8-MSD
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30 **MS Run #.....:** 2234189
Prep Date.....: 08/22/02 **Analysis Date..:** 08/22/02
Prep Batch #...: 2234347 **Analysis Time..:** 15:12
Dilution Factor: 1 **Analyst ID.....:** 356074 **Instrument ID..:** G02

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	**ND**	**5.00**	**4.89**	**mg/L**	**98**		**SW846 8015B**
	ND	**5.00**	**4.89**	**mg/L**	**98**	**0.03**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	98	(65 - 135)
	96	(65 - 135)

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 #...: E2H200306 **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E2H200306-001 **Prep Batch #...:** 2233498							
Aluminum	NC	(70 - 115)			SW846 6010B	08/22-08/23/02	E6WGN1EK
	NC	(70 - 115)		(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1EL
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Antimony	64 N	(75 - 115)			SW846 6010B	08/22-08/23/02	E6WGN1A8
	64 N	(75 - 115)	0.87	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1A9
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Arsenic	102	(75 - 115)			SW846 6010B	08/22-08/23/02	E6WGN1CM
	103	(75 - 115)	0.49	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CN
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Barium	96	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1CP
	97	(80 - 120)	0.50	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CQ
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Beryllium	101	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1CR
	102	(80 - 120)	0.48	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CT
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Cadmium	85	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1CU
	85	(80 - 120)	0.42	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CV
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Chromium	100	(85 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1C0
	99	(85 - 120)	0.83	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1C1
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	95	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1CW
	96	(80 - 120)	0.57	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CX
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Copper	100	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1C2
	102	(80 - 120)	1.7	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1C3
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Lead	96	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1A6
	98	(80 - 120)	1.8	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1A7
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Molybdenum	98	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1C4
	98	(80 - 120)	0.32	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1C5
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Nickel	91	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1A4
	92	(80 - 120)	0.54	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1A5
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Selenium	92	(70 - 115)			SW846 6010B	08/22-08/23/02	E6WGN1CA
	94	(70 - 115)	1.5	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CC
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					
Silver	85	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1CK
	85	(80 - 120)	0.30	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CL
		Dilution Factor: 1					
		Analysis Time..: 14:09			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2235234					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	100	(75 - 125)			SW846 6010B	08/22-08/23/02	E6WGN1CD
	101	(75 - 125)	0.91	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CE

Dilution Factor: 1
Analysis Time..: 14:09 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2235234

Vanadium	102	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1CF
	102	(80 - 120)	0.46	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CG

Dilution Factor: 1
Analysis Time..: 14:09 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2235234

Zinc	98	(80 - 120)			SW846 6010B	08/22-08/23/02	E6WGN1CH
	99	(80 - 120)	1.0	(0-25)	SW846 6010B	08/22-08/23/02	E6WGN1CJ

Dilution Factor: 1
Analysis Time..: 14:09 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2235234

MS Lot-Sample #: E2H200306-001 **Prep Batch #...:** 2233507

Mercury	102	(80 - 120)			SW846 7471A	08/22-08/23/02	E6WGN1A2
	118	(80 - 120)	15	(0-20)	SW846 7471A	08/22-08/23/02	E6WGN1A3

Dilution Factor: 1
Analysis Time..: 09:47 Instrument ID..: M04 Analyst ID.....: 000023
MS Run #.....: 2235211

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 #...: E2H200306 **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E2H200306-001 **Prep Batch #...:** 2233498									
Aluminum									
	9500	200	11200	mg/kg			SW846 6010B	08/22-08/23/02	E6WGN1EK
			Qualifiers: NC						
	9500	200	10800	mg/kg			SW846 6010B	08/22-08/23/02	E6WGN1EL
			Qualifiers: NC						
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Antimony									
	ND	50.0	31.8 N	mg/kg	64		SW846 6010B	08/22-08/23/02	E6WGN1A8
	ND	50.0	32.1 N	mg/kg	64	0.87	SW846 6010B	08/22-08/23/02	E6WGN1A9
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Arsenic									
	5.5	200	210	mg/kg	102		SW846 6010B	08/22-08/23/02	E6WGN1CM
	5.5	200	211	mg/kg	103	0.49	SW846 6010B	08/22-08/23/02	E6WGN1CN
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Barium									
	40.9	200	234	mg/kg	96		SW846 6010B	08/22-08/23/02	E6WGN1CP
	40.9	200	235	mg/kg	97	0.50	SW846 6010B	08/22-08/23/02	E6WGN1CQ
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Beryllium									
	0.34	5.00	5.39	mg/kg	101		SW846 6010B	08/22-08/23/02	E6WGN1CR
	0.34	5.00	5.42	mg/kg	102	0.48	SW846 6010B	08/22-08/23/02	E6WGN1CT
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Cadmium									
	ND	5.00	4.27	mg/kg	85		SW846 6010B	08/22-08/23/02	E6WGN1CU
	ND	5.00	4.25	mg/kg	85	0.42	SW846 6010B	08/22-08/23/02	E6WGN1CV
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	16.8	20.0	36.9	mg/kg	100		SW846 6010B	08/22-08/23/02	E6WGN1C0
	16.8	20.0	36.6	mg/kg	99	0.83	SW846 6010B	08/22-08/23/02	E6WGN1C1
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Cobalt									
	4.9	50.0	52.6	mg/kg	95		SW846 6010B	08/22-08/23/02	E6WGN1CW
	4.9	50.0	52.9	mg/kg	96	0.57	SW846 6010B	08/22-08/23/02	E6WGN1CX
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Copper									
	8.1	25.0	33.0	mg/kg	100		SW846 6010B	08/22-08/23/02	E6WGN1C2
	8.1	25.0	33.6	mg/kg	102	1.7	SW846 6010B	08/22-08/23/02	E6WGN1C3
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Lead									
	3.0	50.0	51.2	mg/kg	96		SW846 6010B	08/22-08/23/02	E6WGN1A6
	3.0	50.0	52.1	mg/kg	98	1.8	SW846 6010B	08/22-08/23/02	E6WGN1A7
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Molybdenum									
	1.2	100	99.0	mg/kg	98		SW846 6010B	08/22-08/23/02	E6WGN1C4
	1.2	100	99.4	mg/kg	98	0.32	SW846 6010B	08/22-08/23/02	E6WGN1C5
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Nickel									
	10.5	50.0	56.2	mg/kg	91		SW846 6010B	08/22-08/23/02	E6WGN1A4
	10.5	50.0	56.5	mg/kg	92	0.54	SW846 6010B	08/22-08/23/02	E6WGN1A5
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 **Date Received..:** 08/20/02 12:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	0.78	200	186	mg/kg	92		SW846 6010B	08/22-08/23/02	E6WGN1CA
	0.78	200	188	mg/kg	94	1.5	SW846 6010B	08/22-08/23/02	E6WGN1CC
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Silver									
	ND	5.00	4.27	mg/kg	85		SW846 6010B	08/22-08/23/02	E6WGN1CK
	ND	5.00	4.26	mg/kg	85	0.30	SW846 6010B	08/22-08/23/02	E6WGN1CL
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Thallium									
	ND	200	199	mg/kg	100		SW846 6010B	08/22-08/23/02	E6WGN1CD
	ND	200	201	mg/kg	101	0.91	SW846 6010B	08/22-08/23/02	E6WGN1CE
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Vanadium									
	27.3	50.0	78.5	mg/kg	102		SW846 6010B	08/22-08/23/02	E6WGN1CF
	27.3	50.0	78.2	mg/kg	102	0.46	SW846 6010B	08/22-08/23/02	E6WGN1CG
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Zinc									
	31.4	50.0	80.3	mg/kg	98		SW846 6010B	08/22-08/23/02	E6WGN1CH
	31.4	50.0	81.1	mg/kg	99	1.0	SW846 6010B	08/22-08/23/02	E6WGN1CJ
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						

MS Lot-Sample #: E2H200306-001 **Prep Batch #...:** 2233507

Mercury									
	ND	0.167	0.170	mg/kg	102		SW846 7471A	08/22-08/23/02	E6WGN1A2
	ND	0.167	0.197	mg/kg	118	15	SW846 7471A	08/22-08/23/02	E6WGN1A3
			Dilution Factor: 1						
			Analysis Time..: 09:47		Instrument ID..: M04			Analyst ID.....: 000023	
			MS Run #.....: 2235211						

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 EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E2H200306-002 **Prep Batch #...:** 2234249							
Aluminum	103	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1A5
	103	(80 - 120)	0.04	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1A6
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Antimony	106	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CT
	106	(80 - 120)	0.04	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CU
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Arsenic	109	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1A7
	110	(80 - 120)	0.48	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1A8
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Barium	101	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1A9
	101	(80 - 120)	0.26	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CA
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Beryllium	108	(85 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CC
	109	(85 - 120)	1.1	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CD
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Cadmium	100	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1A1
	101	(80 - 120)	0.97	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1A2
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Chromium	102	(85 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CG
	104	(85 - 120)	1.5	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CH
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	102	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CE
	103	(80 - 120)	1.1	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CF
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Copper	106	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CJ
	107	(80 - 120)	1.8	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CK
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Lead	105	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CQ
	105	(80 - 120)	0.25	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CR
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Molybdenum	103	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CL
	105	(80 - 120)	1.6	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CM
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Nickel	99	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CN
	100	(80 - 120)	0.82	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CP
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Selenium	105	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1CV
	104	(80 - 120)	0.74	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1CW
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					
Silver	91	(80 - 120)			SW846 6010B	08/22-08/23/02	E60VA1A3
	92	(80 - 120)	0.85	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1A4
		Dilution Factor: 1					
		Analysis Time..: 13:07			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 2234111					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	106	(75 - 125)			SW846 6010B	08/22-08/23/02	E60VA1CX
	107	(75 - 125)	0.85	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1C0

Dilution Factor: 1
Analysis Time..: 13:07 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2234111

Vanadium	104	(85 - 120)			SW846 6010B	08/22-08/23/02	E60VA1C1
	105	(85 - 120)	1.4	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1C2

Dilution Factor: 1
Analysis Time..: 13:07 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2234111

Zinc	110	(85 - 120)			SW846 6010B	08/22-08/23/02	E60VA1C3
	111	(85 - 120)	1.5	(0-20)	SW846 6010B	08/22-08/23/02	E60VA1C4

Dilution Factor: 1
Analysis Time..: 13:07 Instrument ID..: M01 Analyst ID.....: 021088
MS Run #.....: 2234111

MS Lot-Sample #: E2H200306-002 **Prep Batch #...:** 2234294

Mercury	107	(80 - 120)			SW846 7470A	08/22-08/23/02	E60VA1C5
	94	(80 - 120)	13	(0-20)	SW846 7470A	08/22-08/23/02	E60VA1C6

Dilution Factor: 1
Analysis Time..: 10:36 Instrument ID..: M04 Analyst ID.....: 000023
MS Run #.....: 2234136

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30

MS Lot-Sample #: E2H200306-002 **Prep Batch #...:** 2234249

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum									
	ND	2.00	2.05	mg/L	103		SW846 6010B	08/22-08/23/02	E60VA1A5
	ND	2.00	2.05	mg/L	103	0.04	SW846 6010B	08/22-08/23/02	E60VA1A6
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Antimony									
	ND	0.500	0.530	mg/L	106		SW846 6010B	08/22-08/23/02	E60VA1CT
	ND	0.500	0.530	mg/L	106	0.04	SW846 6010B	08/22-08/23/02	E60VA1CU
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Arsenic									
	ND	2.00	2.19	mg/L	109		SW846 6010B	08/22-08/23/02	E60VA1A7
	ND	2.00	2.20	mg/L	110	0.48	SW846 6010B	08/22-08/23/02	E60VA1A8
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Barium									
	0.073	2.00	2.10	mg/L	101		SW846 6010B	08/22-08/23/02	E60VA1A9
	0.073	2.00	2.10	mg/L	101	0.26	SW846 6010B	08/22-08/23/02	E60VA1CA
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Beryllium									
	ND	0.0500	0.0538	mg/L	108		SW846 6010B	08/22-08/23/02	E60VA1CC
	ND	0.0500	0.0544	mg/L	109	1.1	SW846 6010B	08/22-08/23/02	E60VA1CD
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Cadmium									
	ND	0.0500	0.0498	mg/L	100		SW846 6010B	08/22-08/23/02	E60VA1A1
	ND	0.0500	0.0503	mg/L	101	0.97	SW846 6010B	08/22-08/23/02	E60VA1A2
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	ND	0.200	0.204	mg/L	102		SW846 6010B	08/22-08/23/02	E60VA1CG
	ND	0.200	0.208	mg/L	104	1.5	SW846 6010B	08/22-08/23/02	E60VA1CH
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Cobalt									
	ND	0.500	0.510	mg/L	102		SW846 6010B	08/22-08/23/02	E60VA1CE
	ND	0.500	0.515	mg/L	103	1.1	SW846 6010B	08/22-08/23/02	E60VA1CF
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Copper									
	ND	0.250	0.264	mg/L	106		SW846 6010B	08/22-08/23/02	E60VA1CJ
	ND	0.250	0.269	mg/L	107	1.8	SW846 6010B	08/22-08/23/02	E60VA1CK
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Lead									
	ND	0.500	0.524	mg/L	105		SW846 6010B	08/22-08/23/02	E60VA1CQ
	ND	0.500	0.525	mg/L	105	0.25	SW846 6010B	08/22-08/23/02	E60VA1CR
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Molybdenum									
	0.010	1.00	1.04	mg/L	103		SW846 6010B	08/22-08/23/02	E60VA1CL
	0.010	1.00	1.06	mg/L	105	1.6	SW846 6010B	08/22-08/23/02	E60VA1CM
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Nickel									
	ND	0.500	0.496	mg/L	99		SW846 6010B	08/22-08/23/02	E60VA1CN
	ND	0.500	0.501	mg/L	100	0.82	SW846 6010B	08/22-08/23/02	E60VA1CP
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E2H200306 **Matrix.....:** WATER
Date Sampled...: 08/20/02 10:45 **Date Received..:** 08/20/02 12:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	ND	2.00	2.10	mg/L	105		SW846 6010B	08/22-08/23/02	E60VA1CV
	ND	2.00	2.08	mg/L	104	0.74	SW846 6010B	08/22-08/23/02	E60VA1CW
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Silver									
	ND	0.0500	0.0455	mg/L	91		SW846 6010B	08/22-08/23/02	E60VA1A3
	ND	0.0500	0.0459	mg/L	92	0.85	SW846 6010B	08/22-08/23/02	E60VA1A4
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Thallium									
	ND	2.00	2.12	mg/L	106		SW846 6010B	08/22-08/23/02	E60VA1CX
	ND	2.00	2.14	mg/L	107	0.85	SW846 6010B	08/22-08/23/02	E60VA1C0
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Vanadium									
	ND	0.500	0.518	mg/L	104		SW846 6010B	08/22-08/23/02	E60VA1C1
	ND	0.500	0.526	mg/L	105	1.4	SW846 6010B	08/22-08/23/02	E60VA1C2
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						
Zinc									
	ND	0.500	0.548	mg/L	110		SW846 6010B	08/22-08/23/02	E60VA1C3
	ND	0.500	0.556	mg/L	111	1.5	SW846 6010B	08/22-08/23/02	E60VA1C4
			Dilution Factor: 1						
			Analysis Time..: 13:07		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2234111						

MS Lot-Sample #: E2H200306-002 **Prep Batch #...:** 2234294

Mercury									
	ND	0.00100	0.00107	mg/L	107		SW846 7470A	08/22-08/23/02	E60VA1C5
	ND	0.00100	0.00093	mg/L	94	13	SW846 7470A	08/22-08/23/02	E60VA1C6
			Qualifiers:						
			Dilution Factor: 1						
			Analysis Time..: 10:36		Instrument ID..: M04			Analyst ID.....: 000023	
			MS Run #.....: 2234136						

NOTE(S):

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