HDR ONE COMPANY | *Many Solutions* SM

GW

SW

Dept. Of Environmental Protection

FEB 15 2008

Southwest District

February 12, 2008

Mr. John Morris, P.G.
Florida Department of Environmental Protection – Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

RE: Enterprise Class III Recycling & Disposal Facility-New Well Installation
Permit No. 177982-008-SC and 177982-007-SO
Project Number: 0-69055

Dear Mr. Morris:

This letter is in response to your e-mail of December 30, 2007 requesting additional information regarding the installation of monitoring well MW-11B at the above mentioned facility. Your comments/questions are repeated below followed by our response.

FDEP Comment:

DEP Form #62-522-900(3) prepared for well MW-11B provided the location of this well in State Plan Coordinates; please submit a revised form that provides the degrees, minutes and seconds of latitude and longitude coordinates of this well [Rule 62-701.510(3)(d)1, F.A.C.]

Response:

DEP Form 62-522.900(3) has been revised as requested and is provided in Attachment 1.

FDEP Comment:

Please submit the "Ground Water Sampling Log" (DEP Form #FD 9000-24) for the November 5, 2007 sampling event.

Response:

The Ground Water Sampling Logs for the November 5, 2007 event are provided in Attachment 2.

FDEP Comment:

A referenced letter indicated that the sample collected from well MW-11B was analyzed for the parameters listed in Specific Condition #E.4. of the permit #177982-007-SO [Rule 62-701.510(6)(b)2, F.A.C.]. It does not appear that the ENCO laboratory report included the following parameters listed by 40 CFR Part 258, Appendix II: 4,6-dinitro-o-cresol, diphenylamine, 1,2,3-trichloropropane.

Response:

Due to a problem with the LIMS system 1,2,3-trichloropropane was inadvertently omitted from the initial laboratory report. Additionally, 4,6-dinitro-o-cresol appears in the report as 2-methyl-4,6-dinitrophenol. Diphenylamine is a co-eluate of n-nitrosodiphenylamine but previously did not appear on the report. The report has been revised and a copy is provided in Attachment 3.

FDEP Comment:

The referenced letter indicated that the sample to be collected from well MW-11B during the week of December 17, 2007 would be analyzed for dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene to confirm the exceedances of the groundwater minimum criteria values reported for these parameters in the sample collected during November 5, 2007.

Response:

> The two referenced parameters were analyzed in the December 17, 2007 sample and found to both be below the laboratory detection limits. These two parameters were detected in the equipment blank samples during the November 5, 2007 sample event and are believed to be a result of laboratory contamination. The December 17, 2007 report is provided in Attachment 4.

If you have any questions or need any additional information, please feel free to contact me at (352) 642-1105.

Sincerely,

John D. Locklear, P.G.
Project Manager

Attachments

Xc Jeff Rogers
John Arnold

Dept. Of Environmental Protection
FEB 15 2008
Southwest District

John D. Locklear, P.G.
Florida License No 2467

2/14/08

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

MONITORING WELL COMPLETION REPORT

Dept. Of Environmental Protection
FEB 15 2008
Southwest District

DATE: 11/16/07

FACILITY NAME: Enterprise Class III landfill

DER PERMIT NO.: 177982-007-S0/T3 WACS_FACILITY SWD /51/ 87895

WACS MONITORING SITE_NUM ______ WACS_WELL

WELL_TYPE BACKGROUND ______ DETECTION X COMPLIANCE ______

LATITUDE AND LONGITUDE (seconds to two decimal places). 28° 19' 43.79" and 81° 38' 50.81"

AQUIFER MONITORED: Floridan

DRILLING METHOD: Hollow Stem Auger DATE INSTALLED. 10/31/2007

INSTALLED BY: Huss Drilling

BORE HOLE DIAMETER 6¼ inches TOTAL DEPTH. 82 5 ft (BLS)

CASING TYPE: Schedule 40 PVC CASING DIAMETER. 2" CASING LENGTH: 70 ft

SCREEN TYPE. Schedule 40 PVC SCREEN SLOT SIZE: 0 01" SCREEN LENGTH: 15 ft

SCREEN DIAMETER. 2" SCREEN INTERVAL: 67 ft TO 82ft (BLS)

FILTER PACK TYPE: Quartz Sand FILTER PACK GRAIN SIZE: 20/30

INTERVAL COVERED. 65ft TO 82ft (BLS)

SEALANT TYPE: Bentonite SEALANT INTERVAL. 62ft TO 65ft (BLS)

GROUT TYPE: Type I/II Portland cement GROUT INTERVAL Land Surface TO 62ft (BLS)

TOP OF CASING ELEVATION (NGVD): 106.11ft GROUND SURFACE ELEVATION (NGVD): 103.13 ft

DESCRIBE WELL DEVELOPMENT Well was pumped for approximately one and a half hours at a rate of 2.6 gpm until pH, conductivity, temperature and turbidity stabilized

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 66 21

DATE AND TIME MEASURED: 11/5/07 1430

REMARKS ______

NAME OF PERSON PREPARING REPORT:

Kris Crockett, HDR, 1(352) 642-1108, Kris Crockett@hdrinc.com

(Name, Organization, Phone No., E-mail)

NOTE ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG
(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1929 (BLS) = BELOW LAND SURFACE

DEP Form 62-522 900(3) Effective April 14, 1994

Enterprise Class III Landfill and Recycling Facility ENCO
Sample Kit Order

New Well Installation

Project No: 60365

Sampling Station:

11/5 MW-11 — not enough water to sample WELL ALREADY INSTALLED
MW-11B WELL TO BE INSTALLED 10/31

QA/QC

1 Equipment Blank
1 Trip Blank

GROUNDWATER SAMPLING LOG

SITE NAME: Angelos Enterprise LF

SITE LOCATION: Dade City, FL

WELL NO: MW-11

SAMPLE ID: 07IAE-11

DATE: 11/5/07

PURGING DATA

WELL DIAMETER (in): 2

TUBING DIAMETER (in):

WELL SCREEN LENGTH: feet

STATIC DEPTH TO WATER (feet): 39.27

PURGE PUMP TYPE:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (42.71 feet – 39.27 feet) X gallons/foot = gallons Water Level Measured with:

PURGE METHOD: 2.1 22 23 OR FS2222

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):

FINAL PUMP OR TUBING DEPTH IN WELL (feet):

PURGING INITIATED AT:

PURGING ENDED AT:

TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: Dan Lichtenwalter / HDR

SAMPLER(S) SIGNATURES: Dan Lichtwalt

SAMPLING INITIATED AT: —

SAMPLING ENDED AT: —

PUMP OR TUBING DEPTH IN WELL (feet): —

SAMPLE PUMP FLOW RATE VOC Sampling Rate <100 ml/min ☒ Other Samples Rate (mL / min):

TUBING MATERIAL CODE: —

SAMPLING EQUIPMENT CODE

FIELD DECONTAMINATION: Y N

FIELD-FILTERED: Y N FILTER SIZE: _____ µm

Filtration Equipment Type: ____________

DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH	INTENDED ANALYSIS
07IAE-11	3	CG	40mL	HCl	—	—	8260 B App II
	2	CG	40mL	HCl	—	—	8260 B App II
	1	PE	500mL	—	—	—	Chloride, Nitrate, Nitrite, TDS
	2	CG	40mL	—	—	—	8011
	1	PE	250mL	ZnAc + NAOH	—		Sulfide
	1	PE	250mL	NaOH	—		Cyanide, Total
	1	PE	250mL	HNO3	—		Metals
	1	PE	250mL	H2SO4	—		Ammonia 350.1
	3	AG	1L	—	—	—	8081A, 8082, 8151A, 8270 App II

REMARKS:

* Verified Sample pH as <2 or >12 (as applicable) at____________

Sky Conditions: ______________ Ambient Air Temperature. _________

Approx. Wind Speed and Direction ____________

Grundfos Settings: _______HZ Peristaltic Setting. ________

Bladder Pump. CPM _______ Refill/Discharge ____/____sec Pressure ______PSI

Total Tubing Length: _________feet

Comments:

– Well Hist. goes dry – not enough water to sample

– No Sample –

Dan L.

GROUNDWATER SAMPLING LOG

SITE NAME: Angelos Enterprise LF		SITE LOCATION: Dade City, FL		
WELL NO: MW - 11B	SAMPLE ID: 07IAE - 11B		DATE: 11/5/07	

PURGING DATA

WELL DIAMETER (in): 2	TUBING DIAMETER (in): 3/8	WELL SCREEN LENGTH: 15 feet	STATIC DEPTH TO WATER (feet): 40.90	PURGE PUMP TYPE: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (84.90 feet – 40.90 feet) X .16 gallons/foot = 7.04 gallons Water Level Measured with: MP-30 #1432

PURGE METHOD: [✓ 2.1] 2.2 2.3 OR FS2222

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= 0 gallons + (.006 gallons/foot X 100 feet) + .123 gallons = .7 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50	PURGING INITIATED AT: 1355	PURGING ENDED AT: 1432	TOTAL VOLUME PURGED (gallons): 36.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
1423	28	28	1.0	41.94	7.03	24.58	253	5.78	3.54	None	None	114.3
1427	4	32	⊥	41.95	7.00	24.58	253	5.84	1.46	⊥	⊥	117.4
1431	4	36	⊥	41.95	6.97	24.57	254	5.88	1.84	⊥	⊥	121.0

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: Dan Lichtenwalter / HDR	SAMPLER(S) SIGNATURES: Dan Lichtwalt	SAMPLING INITIATED AT: 1434	SAMPLING ENDED AT: 1449
PUMP OR TUBING DEPTH IN WELL (feet): 50	SAMPLE PUMP FLOW RATE VOC Sampling Rate <100 ml/min ☒ Other Samples Rate (mL / min): 950	TUBING MATERIAL CODE: PE	SAMPLING EQUIPMENT CODE: ESP
FIELD DECONTAMINATION: [✓ Y] N	FIELD-FILTERED Y [✓ N] FILTER SIZE: ____ µm Filtration Equipment Type:		DUPLICATE: Y [✓ N]

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH	INTENDED ANALYSIS
07IAE-11B	3	CG	40mL	HCl	—	—	8260 B App II
	~~2~~	~~CG~~	~~40mL~~	~~HCl~~			~~8260 B App II~~
↓	1	PE	500mL	—	—	—	Chloride, Nitrate, Nitrite, TDS
↓	2	CG	40mL	—	—	—	8011
↓	1	PE	250mL	ZnAc + NaOH	—	12	Sulfide
↓	1	PE	250mL	NaOH	—	12	Cyanide, Total
↓	1	PE	250mL	HNO_3	—	< 2	Metals
↓	1	PE	250mL	H_2SO_4	—	< 2	Ammonia 350.1
↓	3	AG	1L	—	—	—	8081A, 8082, 8151A, 8270 App II

REMARKS:

* Verified Sample pH as <2 or >12 (as applicable) at 11B
Sky Conditions: Clear Ambient Air Temperature: 32°C
Approx. Wind Speed and Direction: 2-6 MPH - S

Grundfos Settings: ~~178~~ 193 HZ Peristaltic Setting: —
Bladder Pump CPM — Refill/Discharge 7 sec Pressure — PSI
Total Tubing Length: 100 feet

Comments:

- cloudy yellow/white to start - purged until clear
- slowed pump to fill samples
- well clouded white while filling samples - pumped for 5 min until clear to finish filling sample bottles

GROUNDWATER SAMPLING LOG

SITE NAME: Angelos Enterprise LF		SITE LOCATION: Dade City, FL
~~WELL~~ NO. EQB	SAMPLE ID: 07IAE - EQB	DATE: 11/5/07

PURGING DATA

WELL DIAMETER (in):	TUBING DIAMETER (in):	WELL SCREEN LENGTH: feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (feet – feet) X gallons/foot = gallons Water Level Measured with:

PURGE METHOD: 21 2.2 23 OR FS2222

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION: Dan Lichtenwalter / HDR	SAMPLER(S) SIGNATURES: Dan Lichtenwalter	SAMPLING INITIATED AT: 1523	SAMPLING ENDED AT: 1533
PUMP OR TUBING DEPTH IN WELL (feet): —	SAMPLE PUMP FLOW RATE VOC Sampling Rate <100 ml/min ☒ Other Samples Rate (mL / min): ± 900	TUBING MATERIAL CODE: PE	SAMPLING EQUIPMENT CODE: See Below ↓
FIELD DECONTAMINATION: [✓ Y] N	FIELD-FILTERED: Y [✓ N] FILTER SIZE: ___ µm Filtration Equipment Type:		DUPLICATE: Y [✓ N]

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH	INTENDED ANALYSIS
07IAE-EQB	3	CG	40mL	HCl	—	—	8260 B App II
	~~2~~	~~CG~~	~~40mL~~	~~HCl~~	~~—~~	~~—~~	~~8260 B App II~~
	1	PE	500mL	—	—	—	Chloride, Nitrate, Nitrite, TDS
	2	CG	40mL	—	—	—	8011
	1	PE	250mL	ZnAc + NaOH	—	*	Sulfide
	1	PE	250mL	NaOH	—	*	Cyanide, Total
	1	PE	250mL	HNO_3	—	*	Metals
	1	PE	250mL	H_2SO_4	—	*	Ammonia 350.1
	3	AG	1L	—	—	—	8081A, 8082, 8151A, 8270 App II

REMARKS:

* Verified Sample pH as <2 or >12 (as applicable) at 11B
Sky Conditions: clear Ambient Air Temperature: 29°C
Approx. Wind Speed and Direction: 4-10 mPH -S

Grundfos Settings: 52 HZ Peristaltic Setting: —
Bladder Pump CPM — Refill/Discharge — sec Pressure — PSI
Total Tubing Length: 100 feet

Comments:

-Pumped Zephyrhills distilled H_2O thru field decon Grundfos ESP w/ new PE tubing into sample bottles

0924077267 WF 2303 Tubing # 235G247-2 3 GAL

QSARF #A72054

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Anglers Enterprise LF
PROJECT NO.: C-60365
P.O NUMBER:
PROJECT LOC (State): FL
SAMPLER(s) NAME: Dan Lichtenwalter
PHONE: (352) 302-3516
FAX:
CLIENT NAME: HDR inc.
CLIENT PROJECT MANAGER: K. Weitz
CLIENT ADDRESS (CITY, STATE, ZIP): 7140 NW 37th PL Suite A G'ville FL 32606
REQUIRED ANALYSIS: See Attached!
PAGE 1 OF 1
☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due ____

STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent etc)	AIR	SLUDGE	OTHER	NUMBER OF CONTAINERS SUBMITTED	REMARKS
MW-11B	11/5/07	1434	✓		07IAE-11B		✓								13	
2 EQB	↓	1523	✓		↓ -EQB									✓	13	EQ Blank
3 TB	↓													✓	2	Trip Blank
4																
5																
6																* MW-11 Not
7																enough H2O
8																to sample
9																L 2
10																
11																
12																
13																
14																

	DATE	TIME		DATE	TIME		DATE	TIME
SAMPLE KIT PREPARED BY. ☐JACKSONVILLE ☒ORLANDO TF			RELINQUISHED BY (SIGNATURE)			RECEIVED BY (SIGNATURE) Liam Kittredt	11/5/07	1200
RELINQUISHED BY (SIGNATURE) Liam Kittredt	11/5/07	1545	RECEIVED BY (SIGNATURE)			RELINQUISHED BY. (SIGNATURE)		
RECEIVED BY (SIGNATURE)			RELINQUISHED BY (SIGNATURE)			RECEIVED BY. (SIGNATURE)		

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
☐ Jacksonville ☐ Orlando			☐ YES ☐ NO		Shipped Greyhound from Gainesville to Orlando

DEP-SOP-001/01
FT 1600 Field Measurement of Turbidity

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Angelos Enterprise LF **DATE** 11/5/07

INSTRUMENT (MAKE/MODEL#) Hach 2100P **INSTRUMENT #** 07030C02213

Instrument Calibration Date 10/15/07

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

X TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Gel Standard 4.57 NTU

Standard B Gel Standard 49.8 NTU

Standard C Gel Standard 556 NTU

Standard D Measurement Cell + Distilled Water <.25

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (NTU)	INSTRUMENT RESPONSE (NTU)	(+/- 5 NTU or 10%) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
07/11/05	1325	D	<.25	.15	—	Y	I	D.L.
	1326	A	4.57	4.55	1	Y	I	D.L.
	1727	B	49.8	49.9	1	Y	I	D.L.
	1537	D	<.25	.17	—	Y	C	D.L.
	1538	A	4.57	4.54	1	Y	C	D.L.
	1539	B	49.8	49.9	1	Y	C	D.L.
	1540	C	556	557	1	Y	C	D.L.

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Angelos Enterprise LF **DATE** 11/5/07

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 08000397

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER ________

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Moist Air Chamber

Standard B Zero D.O. Lot # Expiration Date

Standard C ________

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (mg/L)	Temperature (Deg C)	INSTRUMENT RESPONSE (mg/L)	(+/- 0.3 mg/L) DEV (mg/L)	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
07/11/05	1337	A	8.07	26.3	8.05	.02	Y	I	D.L.
—	1918	A	8.53	23.3	8.68	.15	Y	C	D.L.

DEP-SOP-001/01
FT 1200 Field Measurement of Specific Conductance

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Angelos Enterprise LF **DATE** 11/5/07
INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 08000397
PARAMETER: *[check only one]*

☐ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ____________

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1413 umhos Lot # 2706267 Expiration Date JUN 2008
Standard B 447 umhos Lot # 2704546 Expiration Date APR 2008
Standard C 84 umhos Lot # 2706156 Expiration Date JUN 2008

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (umhos/cm)	INSTRUMENT RESPONSE (umhos/cm)	(+/- 5%) % DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
07/11/05	1303	A	1413	1413	—	Y	I	D.L.
	1306	B	447	448	1	Y	I	D.L.
	1309	C	84	85	2	Y	I	D.L.
	1919	B	447	441	2	Y	C	D.L.
	1922	C	84	86	3	Y	C	D.L.

DEP-SOP-001/01

FT 1100 Field Measurement of Hydrogen Ion Activity (pH)

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Angelo's Enterprise LF **DATE** 11/5/07

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 08000397

Instrument Slope ____________ Date Determined ____________

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ____________

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 7.00 SU Lot # 2704402 Expiration Date APR 2009

Standard B 4.01 SU Lot # 2705332 Expiration Date MAY 2009

Standard C 10.00 SU Lot # 2705113 Expiration Date NOV 2008

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (SU)	INSTRUMENT RESPONSE (SU)	(+/- 0.2 SU) DEV (SU)	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
07/11/05	1312	A	7.0	7.0	—	Y	I	D.L.
↓	1315	B	4.01	4.01	—	Y	I	D.L.
	1318	C	10.0	9.97	.03	Y	I	D.L.
	1925	A	7.0	7.03	.03	Y	c	D.L.
	1928	B	4.01	4.02	.01	Y	C	D.L.
—	1931	c	10.0	9.99	.01	Y	c	D.L.

DEP-SOP-001/01
FT 2100 Oxidation – Reduction Potential (ORP)

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Angelos Enterprise LF **DATE** 11/5/07

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 08000397

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☒ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Zobell's Solution Mixed Standard Expiration Date 6/2009

Stock Solution Lot #07F100140 Expiration Date 1/24/2008

Standard B ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (mV)	Temperature (Deg C)	INSTRUMENT RESPONSE (mV)	(=/- 10 mV) DEV (mV)	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
07/11/05	1321	A	225.9	26.6	225.9	—	Y	I	D.L.
⊥	1934	A	230.4	23.1	230.7	.3	Y	C	D.L.

Environmental Conservation Laboratories, Inc.
10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX 407.850.6945

www.encolabs.com

Wednesday, January 9, 2008

HDR, Inc. (HD002)
Attn: John Locklear
4140 NW 37th Place, Suite A
Gainesville, FL 32606

RE: Project Number: 0-60365, Project Name/Desc: Angelo's Enterprise LF
ENCO Workorder: A706204

Dear John Locklear,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, November 6, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me

Sincerely,

Marcia C Colon

Marcia Colon
Project Manager

Enclosure(s)

CASE NARRATIVE

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Remarks

8270 PAH SIM
Target analytes dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene were detected in the equipment blank in addition to various samples associated with this work-order The absence of these targets in the method blank suggests contamination may have occurred during sample collection. All laboratory control results met method criteria

Other Comments

None

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative. Should there be any questions regarding this package, please feel free to contact the undersigned for additional information

Released By:
Environmental Conservation Laboratories, Inc

Matthew Foti, Ph.D.
Laboratory Manager

LAB #		A706204-01	A706204-02	A706204-03	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit	MW-11B 07IAE -11B	EQB 07IAE-EQ B	TB	-	-	-

Volatile Organic Compounds by GCMS (Water)

Dichlorodifluoromethane	1 0 ug/L	0 71 [3]	<0 63 [6]	<0 63 [6]	-	-	-
Chloromethane	1 0 ug/L	<0 35 [6]	<0 35 [6]	<0.35 [6]	-	-	-
Vinyl chloride	1 0 ug/L	<0 91 [6]	<0 91 [6]	<0 91 [6]	-	-	-
Bromomethane	1 0 ug/L	<0 65 [6]	<0 65 [6]	<0.65 [6]	-	-	-
Chloroethane	1 0 ug/L	<0 37 [6]	<0 37 [6]	<0 37 [6]	-	-	-
Trichlorofluoromethane	1 0 ug/L	2 6	<0 45 [6]	<0 45 [6]	-	-	-
Acrolein	10 ug/L	<7 1 [6]	<7 1 [6]	<7 1 [6]	-	-	-
Acetone	5 0 ug/L	<0 74 [6]	<0 74 [6]	<0 74 [6]	-	-	-
1,1-Dichloroethene	1 0 ug/L	<0 40 [6]	<0 40 [6]	<0 40 [6]	-	-	-
3-Chloropropene	1 0 ug/L	<0 35 [6]	<0 35 [6]	<0 35 [6]	-	-	-
Acetonitrile	10 ug/L	<9 7 [6]	<9 7 [6]	<9 7 [6]	-	-	-
Iodomethane	3 0 ug/L	<0 98 [6]	<0 98 [6]	<0 98 [6]	-	-	-
Carbon disulfide	5 0 ug/L	<0 30 [6]	<0 30 [6]	<0 30 [6]	-	-	-
Methylene chloride	2 0 ug/L	<0 19 [6]	<0 19 [6]	<0 19 [6]	-	-	-
Acrylonitrile	5 0 ug/L	<1 9 [6]	<1 9 [6]	<1 9 [6]	-	-	-
trans-1,2-Dichloroethene	1 0 ug/L	<0 39 [6]	<0 39 [6]	<0 39 [6]	-	-	-
cis-1,2-Dichloroethene	1 0 ug/L	<0 18 [6]	<0 18 [6]	<0 18 [6]	-	-	-
1,1-Dichloroethane	1 0 ug/L	<0 28 [6]	<0 28 [6]	<0 28 [6]	-	-	-
Vinyl acetate	1 0 ug/L	<0 42 [6]	<0 42 [6]	<0 42 [6]	-	-	-
Chloroprene	1 0 ug/L	<0 58 [6]	<0 58 [6]	<0 58 [6]	-	-	-
2-Butanone	5 0 ug/L	<2 5 [6]	<2 5 [6]	<2 5 [6]	-	-	-
Propionitrile	10 ug/L	<3 1 [6]	<3 1 [6]	<3 1 [6]	-	-	-
2,2-Dichloropropane	1 0 ug/L	<0 32 [6]	<0 32 [6]	<0 32 [6]	-	-	-
Methacrylonitrile	10 ug/L	<2 9 [5] [6]	<2 9 [5] [6]	<2 9 [5] [6]	-	-	-
Chloroform	1 0 ug/L	<0 22 [6]	<0 22 [6]	<0 22 [6]	-	-	-
Bromochloromethane	1 0 ug/L	<0 31 [6]	<0 31 [6]	<0 31 [6]	-	-	-
1,1,1-Trichloroethane	1 0 ug/L	<0 27 [6]	<0 27 [6]	<0 27 [6]	-	-	-
1,1-Dichloropropene	1 0 ug/L	<0 35 [6]	<0 35 [6]	<0 35 [6]	-	-	-
Carbon tetrachloride	1 0 ug/L	<0 24 [6]	<0 24 [6]	<0 24 [6]	-	-	-
1,2-Dichloroethane	1 0 ug/L	<0 18 [6]	<0 18 [6]	<0 18 [6]	-	-	-
Benzene	1 0 ug/L	<0 32 [6]	<0 32 [6]	<0 32 [6]	-	-	-
Isobutyl alcohol	20 ug/L	<19 [5] [6]	<19 [5] [6]	<19 [5] [6]	-	-	-
Trichloroethene	1 0 ug/L	<0 26 [6]	<0 26 [6]	<0 26 [6]	-	-	-
1,2-Dichloropropane	1 0 ug/L	<0 33 [6]	<0 33 [6]	<0 33 [6]	-	-	-
Methyl Methacrylate	1 0 ug/L	<0 50 [6]	<0 50 [6]	<0 50 [6]	-	-	-
Bromodichloromethane	1 0 ug/L	<0 19 [6]	<0 19 [6]	<0 19 [6]	-	-	-
Dibromomethane	1 0 ug/L	<0 15 [6]	<0 15 [6]	<0.15 [6]	-	-	-
4-Methyl-2-pentanone	5 0 ug/L	<0 97 [6]	<0 97 [6]	<0 97 [6]	-	-	-
2-Hexanone	5 0 ug/L	<0 75 [6]	<0 75 [6]	<0 75 [6]	-	-	-
cis-1,3-Dichloropropene	1 0 ug/L	<0 20 [6]	<0 20 [6]	<0 20 [6]	-	-	-
Toluene	1 0 ug/L	<0 35 [6]	<0 35 [6]	<0 35 [6]	-	-	-
Ethyl Methacrylate	2 0 ug/L	<0 48 [6]	<0 48 [6]	<0 48 [6]	-	-	-
trans-1,3-Dichloropropene	1 0 ug/L	<0 20 [6]	<0 20 [6]	<0 20 [6]	-	-	-
1,1,2-Trichloroethane	1 0 ug/L	<0 33 [6]	<0 33 [6]	<0 33 [6]	-	-	-
1,3-Dichloropropane	1 0 ug/L	<0 19 [6]	<0 19 [6]	<0 19 [6]	-	-	-

LAB #		A706204-01	A706204-02	A706204-03	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit	MW-11B 07IAE -11B	EQB 07IAE-EQ B	TB	-	-	-

Volatile Organic Compounds by GCMS (continued)

Tetrachloroethene	1 0 ug/L	<0 47 [6]	<0 47 [6]	<0 47 [6]	-	-	-
Dibromochloromethane	1 0 ug/L	<0 23 [6]	<0 23 [6]	<0 23 [6]	-	-	-
Chlorobenzene	1 0 ug/L	<0 27 [6]	<0 27 [6]	<0 27 [6]	-	-	-
1,1,1,2-Tetrachloroethane	1 0 ug/L	<0 24 [6]	<0 24 [6]	<0 24 [6]	-	-	-
Ethylbenzene	1 0 ug/L	<0 32 [6]	<0 32 [6]	<0 32 [6]	-	-	-
m,p-Xylenes	1 0 ug/L	<0 44 [6]	<0 44 [6]	<0 44 [6]	-	-	-
o-Xylene	1 0 ug/L	<0 21 [6]	<0 21 [6]	<0 21 [6]	-	-	-
Bromoform	1 0 ug/L	<0 28 [6]	<0 28 [6]	<0 28 [6]	-	-	-
Styrene	1 0 ug/L	<0 18 [6]	<0 18 [6]	<0 18 [6]	-	-	-
1,2,3-Trichloropropane / PQL @ 2 ok	1 0 ug/L	<0 36 [6] 0.02	<0 36 [6]	<0 36 [6]	-	-	-
1,1,2,2-Tetrachloroethane	1 0 ug/L	<0 22 [6]	<0 22 [6]	<0 22 [6]	-	-	-
trans-1,4-Dichloro-2-butene	1 0 ug/L	<0 54 [6]	<0 54 [6]	<0 54 [6]	-	-	-
1,2,4-Trichlorobenzene	1 0 ug/L	<0 19 [6]	<0 19 [6]	<0 19 [6]	-	-	-
1,3-Dichlorobenzene	1 0 ug/L	<0 27 [6]	<0 27 [6]	<0 27 [6]	-	-	-
1,4-Dichlorobenzene	1 0 ug/L	<0 33 [6]	<0 33 [6]	<0 33 [6]	-	-	-
1,2-Dichlorobenzene	1 0 ug/L	<0 33 [6]	<0 33 [6]	<0 33 [6]	-	-	-
Naphthalene	1 0 ug/L	<0 43 [6]	<0 43 [6]	<0 43 [6]	-	-	-
Hexachlorobutadiene	1 0 ug/L	<0 27 [6]	<0 27 [6]	<0 27 [6]	-	-	-
Xylenes (Total)	1 0 ug/L	<0 60 [6]	<0 60 [6]	<0 60 [6]	-	-	-
Dibromofluoromethane	141 [surr]	94%	92%	95%	-	-	-
Toluene-d8	134 [surr]	81%	81%	83%	-	-	-
4-Bromofluorobenzene	147 [surr]	87%	84%	85%	-	-	-

Semivolatile Organic Compounds by GCMS SIM (Water)

N-Nitrosodimethylamine	10 ug/L	<1 8 [6]	<1 8 [6]	-	-	-	-
N-Nitrosomethylethylamine	10 ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
Methyl Methanesulfonate	10 ug/L	<2 3 [6]	<2 3 [6]	-	-	-	-
N-Nitrosodiethylamine	10 ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
Ethyl methanesulfonate	10 ug/L	<3 0 [6]	<3 0 [6]	-	-	-	-
Phenol	10 ug/L	<2 6 [6]	<2 6 [6]	-	-	-	-
Bis(2-chloroethyl)ether	10 ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
2-Chlorophenol	10 ug/L	<5 7 [6]	<5 7 [6]	-	-	-	-
Benzyl alcohol	10 ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
2-Methylphenol	10 ug/L	<2 4 [6]	<2 4 [6]	-	-	-	-
Bis(2-chloroisopropyl)ether	10 ug/L	<3 0 [6]	<3 0 [6]	-	-	-	-
Acetophenone	10 ug/L	<3 3 [6]	<3 3 [6]	-	-	-	-
3 & 4-Methylphenol	10 ug/L	<4 7 [6]	<4 7 [6]	-	-	-	-
N-Nitroso-di-n-propylamine	10 ug/L	<3 4 [6]	<3 4 [6]	-	-	-	-
N-Nitrosopyrrolidine	10 ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
Hexachloroethane	10 ug/L	<2 1 [6]	<2 1 [6]	-	-	-	-
o-Toluidine	10 ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
Nitrobenzene	10 ug/L	<2 7 [6]	<2 7 [6]	-	-	-	-
N-Nitrosopiperidine	10 ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
Isophorone	10 ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
2-Nitrophenol	10 ug/L	<6 1 [6]	<6 1 [6]	-	-	-	-

LAB #		A706204-01	A706204-02	A706204-03	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit	MW-11B 07IAE -11B	EQB 07IAE-EQ B	TB	-	-	-
Semivolatile Organic Compounds by GCMS SIM (continued)							
2,4-Dimethylphenol	10 ug/L	<5 2 [6]	<5 2 [6]	-	-	-	-
Bis(2-chloroethoxy)methane	10 ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
O,O,O-Triethyl phosphorothioate	10 ug/L	<2 7 [6]	<2 7 [6]	-	-	-	-
2,4-Dichlorophenol	10 ug/L	<5 8 [6]	<5 8 [6]	-	-	-	-
4-Chloroaniline	10 ug/L	<3 0 [6]	<3 0 [6]	-	-	-	-
2,6-Dichlorophenol	10 ug/L	<3 0 [6]	<3 0 [6]	-	-	-	-
Hexachloropropene	10 ug/L	<1 8 [6]	<1 8 [6]	-	-	-	-
Hexachlorobutadiene [SIM]	0 10 ug/L	<0.025 [6]	<0 025 [6]	-	-	-	-
N-Nitrosodi-n-butylamine	10 ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
1,4-Phenylenediamine	10 ug/L	<7 3 [6]	<7 3 [6]	-	-	-	-
4-Chloro-3-methylphenol	10 ug/L	<6 3 [6]	<6 3 [6]	-	-	-	-
Safrole	10 ug/L	<2 7 [6]	<2 7 [6]	-	-	-	-
2-Methylnaphthalene	10 ug/L	<2 5 [6]	<2 5 [6]	-	-	-	-
Hexachlorocyclopentadiene	10 ug/L	<1 6 [6]	<1 6 [6]	-	-	-	-
1,2,4,5-Tetrachlorobenzene	10 ug/L	<2 3 [6]	<2 3 [6]	-	-	-	-
2,4,6-Trichlorophenol	10 ug/L	<6 1 [6]	<6 1 [6]	-	-	-	-
2,4,5-Trichlorophenol	10 ug/L	<3 0 [6]	<3 0 [6]	-	-	-	-
Isosafrole	10 ug/L	<3 1 [6]	<3 1 [6]	-	-	-	-
2-Chloronaphthalene	10 ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
2-Nitroaniline	10 ug/L	<3 7 [6]	<3 7 [6]	-	-	-	-
1,4-Naphthoquinone	10 ug/L	<3 2 [6]	<3 2 [6]	-	-	-	-
Dimethylphthalate	10 ug/L	<3 7 [6]	<3 7 [6]	-	-	-	-
1,3-Dinitrobenzene	10 ug/L	<3 1 [6]	<3 1 [6]	-	-	-	-
2,6-Dinitrotoluene	10 ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
Acenaphthylene [SIM]	0 10 ug/L	<0 023 [6]	<0 023 [6]	-	-	-	-
3-Nitroaniline	10 ug/L	<3 3 [6]	<3 3 [6]	-	-	-	-
Acenaphthene	10 ug/L	<3 0 [6]	<3 0 [6]	-	-	-	-
2,4-Dinitrophenol	10 ug/L	<5 7 [6]	<5 7 [6]	-	-	-	-
Pentachlorobenzene	10 ug/L	<2 5 [6]	<2 5 [6]	-	-	-	-
4-Nitrophenol	10 ug/L	<2 6 [6]	<2 6 [6]	-	-	-	-
Dibenzofuran	10 ug/L	<3 1 [6]	<3 1 [6]	-	-	-	-
2,4-Dinitrotoluene [SIM]	0 10 ug/L	<0 012 [6]	<0 012 [6]	-	-	-	-
2-Naphthylamine	10 ug/L	<3 6 [6]	<3 6 [6]	-	-	-	-
1-Naphthylamine	10 ug/L	<3 5 [6]	<3 5 [6]	-	-	-	-
2,3,4,6-Tetrachlorophenol	10 ug/L	<3 0 [6]	<3 0 [6]	-	-	-	-
Diethylphthalate	10 ug/L	<2 7 [6]	<2 7 [6]	-	-	-	-
4-Chlorophenyl-phenylether	10 ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
Fluorene	10 ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
Thionazin	10 ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
5-Nitro-o-toluidine	10 ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
4-Nitroaniline	10 ug/L	<3 3 [6]	<3 3 [6]	-	-	-	-
2-Methyl-4,6-dinitrophenol ✓	10 ug/L	<7 2 [6] NE	<7 2 [6]	-	-	-	-
N-nitrosodiphenylamine/Diphenylamine ✓	10 ug/L	<3 5 [6] ✓	<3 5 [6]	-	-	-	-
Diallate [SIM]	0 10 ug/L	<0 021 [6]	<0 021 [6]	-	-	-	-

LAB #			A706204-01	A706204-02	A706204-03	-	-	-
MATRIX	Minimum		Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit		MW-11B ·07IAE -11B	EQB 07IAE-EQ B	TB	-	-	-
Semivolatile Organic Compounds by GCMS SIM (continued)								
Phorate [SIM]	0 10	ug/L	<0 029 [6]	<0 029 [6]	-	-	-	-
4-Bromophenyl-phenylether	10	ug/L	<2.8 [6]	<2 8 [6]	-	-	-	-
Phenacetin	10	ug/L	<3.2 [6]	<3 2 [6]	-	-	-	-
1,3,5-Trinitrobenzene	10	ug/L	<4 0 [6]	<4 0 [6]	-	-	-	-
Hexachlorobenzene [SIM]	0 10	ug/L	<0 027 [6]	<0 027 [6]	-	-	-	-
Dimethoate [SIM]	0 10	ug/L	<0 019 [6]	<0 019 [6]	-	-	-	-
4-Aminobiphenyl	10	ug/L	<3 2 [6]	<3 2 [6]	-	-	-	-
Pronamide	10	ug/L	<2 7 [6]	<2 7 [6]	-	-	-	-
Pentachloronitrobenzene [SIM]	0 10	ug/L	<0 019 [6]	<0 019 [6]	-	-	-	-
Phenanthrene [SIM]	0 10	ug/L	<0 029 [6]	<0 029 [6]	-	-	-	-
Disulfoton [SIM]	0 10	ug/L	<0 042 [6]	<0 042 [6]	-	-	-	-
Anthracene [SIM]	0 10	ug/L	<0 021 [6]	<0 021 [6]	-	-	-	-
Methyl Parathion [SIM]	0 10	ug/L	<0 014 [6]	<0 014 [6]	-	-	-	-
Di-n-butylphthalate	10	ug/L	<3 0 [6]	<3 0 [6]	-	-	-	-
Parathion [SIM]	0 10	ug/L	<0 017 [6]	<0 017 [6]	-	-	-	-
Methapyrilene	10	ug/L	<9 3 [6]	<9 3 [6]	-	-	-	-
Isodrin	10	ug/L	<2 7 [6]	<2 7 [6]	-	-	-	-
Fluoranthene [SIM]	0 10	ug/L	<0 024 [6]	<0 024 [6]	-	-	-	-
Pyrene [SIM]	0 10	ug/L	<0 024 [6]	<0 024 [6]	-	-	-	-
Butylbenzylphthalate	10	ug/L	<3 6 [6]	<3 6 [6]	-	-	-	-
p-Dimethylaminoazobenzene	10	ug/L	<2 9 [6]	<2 9 [6]	-	-	-	-
Chlorobenzilate [SIM]	0 10	ug/L	<0 015 [6]	<0 015 [6]	-	-	-	-
Famphur	10	ug/L	<2 8 [6]	<2 8 [6]	-	-	-	-
3,3'-Dimethylbenzidine	10	ug/L	<2 2 [6]	<2 2 [6]	-	-	-	-
Kepone [SIM]	5 0	ug/L	<3 5 [6]	<3 5 [6]	-	-	-	-
2-Acetylaminofluorene	10	ug/L	<3 2 [6]	<3 2 [6]	-	-	-	-
3,3'-Dichlorobenzidine	10	ug/L	<3 2 [6]	<3 2 [6]	-	-	-	-
Benzo(a)anthracene [SIM]	0 10	ug/L	<0 025 [6]	<0 025 [6]	-	-	-	-
Bis(2-ethylhexyl)phthalate	10	ug/L	<3.4 [6]	<3 4 [6]	-	-	-	-
Chrysene [SIM]	0 10	ug/L	<0 024 [6]	<0 024 [6]	-	-	-	-
Di-n-octylphthalate	10	ug/L	<3 6 [6]	<3 6 [6]	-	-	-	-
7,12-Dimethylbenz(a)anthracene	10	ug/L	<2 3 [6]	<2 3 [6]	-	-	-	-
Benzo(b)fluoranthene [SIM]	0 10	ug/L	0 023 [3]	<0 021 [6]	-	-	-	-
Benzo(k)fluoranthene [SIM]	0 10	ug/L	0 023 [3]	<0 020 [6]	-	-	-	-
Benzo(a)pyrene [SIM]	0 10	ug/L	<0 019 [6]	<0 019 [6]	-	-	-	-
3-Methylcholanthrene	10	ug/L	<2 7 [6]	<2 7 [6]	-	-	-	-
Indeno(1,2,3-cd)pyrene [SIM]	0 10	ug/L	0 30	0 26	-	-	-	-
Dibenzo(a,h)anthracene [SIM]	0 10	ug/L	0 38	0 34	-	-	-	-
Benzo(g,h,i)perylene [SIM]	0 10	ug/L	0 13	0 094 [3]	-	-	-	-
2-Fluorophenol	74	[surr]	45%	56%	-	-	-	-
Phenol-d5	49	[surr]	28%	35%	-	-	-	-
Nitrobenzene-d5	119	[surr]	70%	82%	-	-	-	-
2-Fluorobiphenyl	115	[surr]	64%	74%	-	-	-	-
2,4,6-Tribromophenol	131	[surr]	78%	90%	-	-	-	-
Terphenyl-d14	130	[surr]	83%	88%	-	-	-	-

LAB #			A706204-01	A706204-02	A706204-03	-	-	-
MATRIX	Minimum		Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit		MW-11B 07IAE -11B	EQB 07IAE-EQ B	TB	-	-	-
Organochlorine Pesticides by GC (Water)								
alpha-BHC	0 050	ug/L	<0.0018 [6]	<0 0018 [6]	-	-	-	-
gamma-BHC	0 050	ug/L	<0 0034 [6]	<0 0034 [6]	-	-	-	-
beta-BHC	0 050	ug/L	<0 0017 [6]	<0 0017 [6]	-	-	-	-
delta-BHC	0 050	ug/L	<0 0014 [6]	<0.0014 [6]	-	-	-	-
Heptachlor	0 050	ug/L	<0 0021 [6]	<0 0021 [6]	-	-	-	-
Aldrin	0 050	ug/L	<0 0071 [6]	<0 0071 [6]	-	-	-	-
Heptachlor epoxide	0 050	ug/L	<0 0021 [6]	<0 0021 [6]	-	-	-	-
Chlordane-gamma	0 050	ug/L	<0 0019 [6]	<0 0019 [6]	-	-	-	-
Chlordane-alpha	0 050	ug/L	<0 0017 [6]	<0 0017 [6]	-	-	-	-
4,4'-DDE	0 050	ug/L	<0 0019 [6]	<0 0019 [6]	-	-	-	-
Endosulfan I	0 050	ug/L	<0 0013 [6]	<0 0013 [6]	-	-	-	-
Dieldrin	0 050	ug/L	<0 0012 [6]	<0 0012 [6]	-	-	-	-
Endrin	0 050	ug/L	<0 0012 [6]	<0 0012 [6]	-	-	-	-
4,4'-DDD	0 050	ug/L	<0 0020 [6]	<0 0020 [6]	-	-	-	-
Endosulfan II	0 050	ug/L	<0 0020 [6]	<0 0020 [6]	-	-	-	-
4,4'-DDT	0 050	ug/L	<0 0014 [6]	<0 0014 [6]	-	-	-	-
Endrin aldehyde	0 050	ug/L	<0 0027 [6]	<0 0027 [6]	-	-	-	-
Methoxychlor	0 050	ug/L	<0 0021 [6]	<0 0021 [6]	-	-	-	-
Endosulfan sulfate	0 050	ug/L	<0 0025 [6]	<0 0025 [6]	-	-	-	-
Chlordane (tech)	0 50	ug/L	<0 031 [6]	<0 031 [6]	-	-	-	-
Toxaphene	1 0	ug/L	<0 090 [6]	<0 090 [6]	-	-	-	-
2,4,5,6-TCMX	143	[surr]	140%	130%	-	-	-	-
Decachlorobiphenyl	130	[surr]	150%	130%	-	-	-	-
Polychlorinated Biphenyls by GC (Water)								
PCB-1016/1242	1 0	ug/L	<0 057 [6]	<0 057 [6]	-	-	-	-
PCB-1221	1 0	ug/L	<0 076 [6]	<0 076 [6]	-	-	-	-
PCB-1232	1 0	ug/L	<0 21 [6]	<0 21 [6]	-	-	-	-
PCB-1248	1 0	ug/L	<0 14 [6]	<0 14 [6]	-	-	-	-
PCB-1254	1 0	ug/L	<0 46 [6]	<0 46 [6]	-	-	-	-
PCB-1260	1 0	ug/L	<0 089 [6]	<0 089 [6]	-	-	-	-
Decachlorobiphenyl	130	[surr]	150%	130%	-	-	-	-
Chlorinated Herbicides by GC (Water)								
2,4-D	0 30	ug/L	<0 12 [6]	<0 12 [6]	-	-	-	-
Pentachlorophenol	0 30	ug/L	<0 13 [6]	<0 13 [6]	-	-	-	-
2,4,5-TP (Silvex)	0 30	ug/L	<0 11 [6]	<0 11 [6]	-	-	-	-
2,4,5-T	0 30	ug/L	<0 11 [6]	<0 11 [6]	-	-	-	-
Dinoseb	0 30	ug/L	<0 23 [6]	<0 23 [6]	-	-	-	-
2,4-DCAA	191	[surr]	160%	170%	-	-	-	-
Semivolatile Organic Compounds by GC (Water)								
1,2-Dibromoethane	0 02	ug/L	<0 010 [6]	<0 010 [6]	-	-	-	-
1,2-Dibromo-3-chloropropane	0 02	ug/L	<0 008 [6]	<0 008 [6]	-	-	-	-
1,3-Dichlorobenzene	150	[surr]	130%	120%	-	-	-	-
Metals by EPA 6000/7000 Series Methods (Water)								

LAB #			A706204-01	A706204-02	A706204-03	-	-	-
MATRIX	Minimum		Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit		MW-11B 07IAE-11B	EQB 07IAE-EQB	TB	-	-	-
Metals by EPA 6000/7000 Series Methods (continued)								
Antimony	5	ug/L	<0 820 [6]	<0 820 [6]	-	-	-	-
Arsenic	10	ug/L	<1 10 [6]	<1 10 [6]	-	-	-	-
Barium	100	ug/L	<5 00 [6]	<5 00 [6]	-	-	-	-
Beryllium	1	ug/L	<0 730 [6]	<0 730 [6]	-	-	-	-
Cadmium	3	ug/L	<0 820 [6]	<0 820 [6]	-	-	-	-
Chromium	10	ug/L	3 01 [1] [3]	1 46 [1] [3]	-	-	-	-
Cobalt	10	ug/L	<0 500 [6]	<0 500 [6]	-	-	-	-
Copper	10	ug/L	<0 500 [6]	<0 500 [6]	-	-	-	-
Iron	50	ug/L	195	<2 80 [6]	-	-	-	-
Lead	5	ug/L	<0 500 [6]	<0 500 [6]	-	-	-	-
Mercury	0 20	ug/L	<0 009 [6]	<0 009 [6]	-	-	-	-
Nickel	10	ug/L	<0 500 [6]	<0 500 [6]	-	-	-	-
Selenium	10	ug/L	<3 10 [6]	<3 10 [6]	-	-	-	-
Silver	1	ug/L	<0 072 [6]	<0 072 [6]	-	-	-	-
Sodium	1000	ug/L	4330	<100 [6]	-	-	-	-
Thallium	1	ug/L	<0 200 [6]	<0 200 [6]	-	-	-	-
Tin	50 0	ug/L	<5 30 [6]	<5 30 [6]	-	-	-	-
Vanadium	10	ug/L	2 63 [3]	<0 500 [6]	-	-	-	-
Zinc	50	ug/L	<6 60 [6]	<6 60 [6]	-	-	-	-
Classical Chemistry Parameters (Water)								
Ammonia as N	0 020	mg/L	<0 008 [6]	<0 008 [6]	-	-	-	-
Chloride	1 0	mg/L	7 5 [1]	0 85 [1] [3]	-	-	-	-
Cyanide (total)	0 010	mg/L	<0 0054 [6]	<0 0054 [6]	-	-	-	-
Nitrate as N	0 050	mg/L	2 4	0 083	-	-	-	-
Nitrite as N	0 050	mg/L	<0 007 [6]	<0 007 [6]	-	-	-	-
Nitrate/Nitrite as N	0 050	mg/L	2 4	0 083	-	-	-	-
Sulfide	1 0	mg/L	<0 45 [6]	<0 45 [6]	-	-	-	-
Total Dissolved Solids	10	mg/L	160	<10 [6]	-	-	-	-
Field Parameters (Water)								
Specific Conductance (EC)	0 00	umhos/cm	254	-	-	-	-	-
Dissolved Oxygen	0 00	mg/L	5 88	-	-	-	-	-
pH		pH Units	6 97	-	-	-	-	-
Oxidation/Reduction Potential		mV	121 0	-	-	-	-	-
Temperature	0 00	°C	24 57	-	-	-	-	-
Turbidity	0 00	NTU	1 84	-	-	-	-	-

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7K06027 - EPA 5030B_MS

Blank (7K06027-BLK1) Prepared 11/06/2007 12 45 Analyzed 11/07/2007 01 14

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Dichlorodifluoromethane	0 63 U	1 0	ug/L							U
Chloromethane	0 35 U	1 0	ug/L							U
Vinyl chloride	0 91 U	1 0	ug/L							U
Bromomethane	0 65 U	1 0	ug/L							U
Chloroethane	0 37 U	1 0	ug/L							U
Trichlorofluoromethane	0 45 U	1 0	ug/L							U
Acrolein	7 1 U	10	ug/L							U
Acetone	0 74 U	5 0	ug/L							U
1,1-Dichloroethene	0 40 U	1 0	ug/L							U
3-Chloropropene	0 35 U	1 0	ug/L							U
Acetonitrile	9 7 U	10	ug/L							U
Iodomethane	0 98 U	3 0	ug/L							U
Carbon disulfide	0 30 U	5 0	ug/L							U
Methylene chloride	0 19 U	2 0	ug/L							U
Acrylonitrile	1 9 U	2 0	ug/L							U
trans-1,2-Dichloroethene	0 39 U	1 0	ug/L							U
cis-1,2-Dichloroethene	0 18 U	1 0	ug/L							U
1,1-Dichloroethane	0 28 U	1 0	ug/L							U
Vinyl acetate	0 42 U	1 0	ug/L							U
Chloroprene	0 58 U	1 0	ug/L							U
2-Butanone	2 5 U	5 0	ug/L							U
Propionitrile	3 1 U	10	ug/L							U
2,2-Dichloropropane	0 32 U	1 0	ug/L							U
Methacrylonitrile	2 9 U	10	ug/L							QV-02, U
Chloroform	0 22 U	1 0	ug/L							U
Bromochloromethane	0 31 U	1 0	ug/L							U
1,1,1-Trichloroethane	0 27 U	1 0	ug/L							U
1,1-Dichloropropene	0 35 U	1 0	ug/L							U
Carbon tetrachloride	0 24 U	1 0	ug/L							U
1,2-Dichloroethane	0 18 U	1 0	ug/L							U
Benzene	0 32 U	1 0	ug/L							U
Isobutyl alcohol	19 U	20	ug/L							QV-02, U
Trichloroethene	0 26 U	1 0	ug/L							U
1,2-Dichloropropane	0 33 U	1 0	ug/L							U
Methyl Methacrylate	0 50 U	1 0	ug/L							U
Bromodichloromethane	0 19 U	1 0	ug/L							U
Dibromomethane	0 15 U	1 0	ug/L							U
4-Methyl-2-pentanone	0 97 U	5 0	ug/L							U
2-Hexanone	0 75 U	5 0	ug/L							U
cis-1,3-Dichloropropene	0 20 U	1 0	ug/L							U
Toluene	0 35 U	1 0	ug/L							U
Ethyl Methacrylate	0 48 U	2 0	ug/L							U
trans-1,3-Dichloropropene	0 20 U	1 0	ug/L							U
1,1,2-Trichloroethane	0 33 U	1 0	ug/L							U
1,3-Dichloropropane	0 19 U	1 0	ug/L							U
Tetrachloroethene	0 47 U	1 0	ug/L							U

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7K06027 - EPA 5030B_MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Blank (7K06027-BLK1) Continued				Prepared 11/06/2007 12 45 Analyzed 11/07/2007 01 14						
Dibromochloromethane	0 23 U	1 0	ug/L							U
Chlorobenzene	0 27 U	1 0	ug/L							U
1,1,1,2-Tetrachloroethane	0 24 U	1 0	ug/L							U
Ethylbenzene	0 32 U	1 0	ug/L							U
m,p-Xylenes	0 44 U	1 0	ug/L							U
o-Xylene	0 21 U	1 0	ug/L							U
Bromoform	0 28 U	1 0	ug/L							U
Styrene	0 18 U	1 0	ug/L							U
1,1,2 2-Tetrachloroethane	0 22 U	1 0	ug/L							U
trans-1,4-Dichloro-2-butene	0 54 U	1 0	ug/L							U
1,2,4-Trichlorobenzene	0 19 U	1 0	ug/L							U
1,3-Dichlorobenzene	0 27 U	1 0	ug/L							U
1,4-Dichlorobenzene	0 33 U	1 0	ug/L							U
1,2-Dichlorobenzene	0 33 U	1 0	ug/L							U
Naphthalene	0 43 U	1 0	ug/L							U
Hexachlorobutadiene	0 27 U	1 0	ug/L							U
Xylenes (Total)	0 60 U	1 0	ug/L							U
Surrogate Dibromofluoromethane	*47*		*ug/L*	*50 0*		*94*	*40-141*			
Surrogate Toluene-d8	*40*		*ug/L*	*50 0*		*81*	*64-134*			
Surrogate 4-Bromofluorobenzene	*42*		*ug/L*	*50 0*		*84*	*52-147*			
LCS (7K06027-BS1)				Prepared 11/06/2007 12 45 Analyzed 11/07/2007 00 45						
1,1-Dichloroethene	16	1 0	ug/L	20 0		82	57-142			
Benzene	16	1 0	ug/L	20 0		82	55-131			
Trichloroethene	19	1 0	ug/L	20 0		97	52-135			
Toluene	19	1 0	ug/L	20 0		95	58-148			
Chlorobenzene	17	1 0	ug/L	20 0		85	57-140			
Surrogate Dibromofluoromethane	*50*		*ug/L*	*50 0*		*100*	*40-141*			
Surrogate Toluene-d8	*42*		*ug/L*	*50 0*		*84*	*64-134*			
Surrogate 4-Bromofluorobenzene	*44*		*ug/L*	*50 0*		*89*	*52-147*			
Matrix Spike (7K06027-MS1)	**Source: A706204-01**			Prepared 11/06/2007 12 45 Analyzed 11/07/2007 01 44						
1,1-Dichloroethene	17	1 0	ug/L	20 0	0 40 U	87	57-142			
Benzene	18	1 0	ug/L	20 0	0 32 U	90	55-131			
Trichloroethene	19	1 0	ug/L	20 0	0 26 U	96	52-135			
Toluene	19	1 0	ug/L	20 0	0 35 U	93	58-148			
Chlorobenzene	17	1 0	ug/L	20 0	0 27 U	87	57-140			
Surrogate Dibromofluoromethane	*49*		*ug/L*	*50 0*		*97*	*40-141*			
Surrogate Toluene-d8	*44*		*ug/L*	*50 0*		*88*	*64-134*			
Surrogate 4-Bromofluorobenzene	*45*		*ug/L*	*50 0*		*89*	*52-147*			
Matrix Spike Dup (7K06027-MSD1)	**Source: A706204-01**			Prepared 11/06/2007 12 45 Analyzed 11/07/2007 02 13						
1,1-Dichloroethene	17	1 0	ug/L	20 0	0 40 U	84	57-142	5	16	
Benzene	16	1 0	ug/L	20 0	0 32 U	81	55-131	10	12	
Trichloroethene	21	1 0	ug/L	20 0	0 26 U	104	52-135	8	40	
Toluene	22	1 0	ug/L	20 0	0 35 U	109	58-148	15	21	
Chlorobenzene	18	1 0	ug/L	20 0	0 27 U	90	57-140	4	20	
Surrogate Dibromofluoromethane	*51*		*ug/L*	*50 0*		*101*	*40-141*			
Surrogate Toluene-d8	*45*		*ug/L*	*50 0*		*91*	*64-134*			
Surrogate 4-Bromofluorobenzene	*45*		*ug/L*	*50 0*		*90*	*52-147*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 7K12022 - EPA 3510C_MS

Blank (7K12022-BLK1) Prepared 11/12/2007 14 52 Analyzed 11/19/2007 11 58

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
N-Nitrosodimethylamine	1 8 U	10	ug/L							U
N-Nitrosomethylethylamine	2 9 U	10	ug/L							U
Methyl Methanesulfonate	2 3 U	10	ug/L							U
N-Nitrosodiethylamine	2 9 U	10	ug/L							U
Ethyl methanesulfonate	3 0 U	10	ug/L							U
Phenol	2 6 U	10	ug/L							U
Bis(2-chloroethyl)ether	2 9 U	10	ug/L							U
2-Chlorophenol	5 7 U	10	ug/L							U
Benzyl alcohol	2 8 U	10	ug/L							U
2-Methylphenol	2 4 U	10	ug/L							U
Bis(2-chloroisopropyl)ether	3 0 U	10	ug/L							U
Acetophenone	3 3 U	10	ug/L							U
3 & 4-Methylphenol	4 7 U	10	ug/L							U
N-Nitroso-di-n-propylamine	3 4 U	10	ug/L							U
N-Nitrosopyrrolidine	2 9 U	10	ug/L							U
Hexachloroethane	2 1 U	10	ug/L							U
o-Toluidine	2 8 U	10	ug/L							U
Nitrobenzene	2 7 U	10	ug/L							U
N-Nitrosopiperidine	2 9 U	10	ug/L							U
Isophorone	2 9 U	10	ug/L							U
2-Nitrophenol	6 1 U	10	ug/L							U
2,4-Dimethylphenol	5 2 U	10	ug/L							U
Bis(2-chloroethoxy)methane	2 8 U	10	ug/L							U
O,O,O-Triethyl phosphorothioate	2 7 U	10	ug/L							U
2,4-Dichlorophenol	5 8 U	10	ug/L							U
4-Chloroaniline	3 0 U	10	ug/L							U
2,6-Dichlorophenol	3 0 U	10	ug/L							U
Hexachloropropene	1 8 U	10	ug/L							U
Hexachlorobutadiene [SIM]	0 025 U	0 10	ug/L							U
N-Nitrosodi-n-butylamine	2 9 U	10	ug/L							U
1,4-Phenylenediamine	7 3 U	10	ug/L							U
4-Chloro-3-methylphenol	6 3 U	10	ug/L							U
Safrole	2 7 U	10	ug/L							U
2-Methylnaphthalene	2 5 U	10	ug/L							U
Hexachlorocyclopentadiene	1 6 U	10	ug/L							U
1,2,4,5-Tetrachlorobenzene	2 3 U	10	ug/L							U
2,4,6-Trichlorophenol	6 1 U	10	ug/L							U
2,4,5-Trichlorophenol	3 0 U	10	ug/L							U
Isosafrole	3 1 U	10	ug/L							U
2-Chloronaphthalene	2 8 U	10	ug/L							U
2-Nitroaniline	3 7 U	10	ug/L							U
1,4-Naphthoquinone	3 2 U	10	ug/L							U
Dimethylphthalate	3 7 U	10	ug/L							U
1,3-Dinitrobenzene	3 1 U	10	ug/L							U
2,6-Dinitrotoluene	2 8 U	10	ug/L							U
Acenaphthylene [SIM]	0 023 U	0 10	ug/L							U
3-Nitroaniline	3 3 U	10	ug/L							U
Acenaphthene	3 0 U	10	ug/L							U
2,4-Dinitrophenol	5 7 U	10	ug/L							U

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 7K12022 - EPA 3510C_MS

Blank (7K12022-BLK1) Continued Prepared 11/12/2007 14 52 Analyzed 11/19/2007 11 58

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Pentachlorobenzene	2 5 U	10	ug/L							U
4-Nitrophenol	2 6 U	10	ug/L							U
Dibenzofuran	3 1 U	10	ug/L							U
2,4-Dinitrotoluene [SIM]	0 012 U	0 10	ug/L							U
2-Naphthylamine	3 6 U	10	ug/L							U
1-Naphthylamine	3 5 U	10	ug/L							U
2,3,4,6-Tetrachlorophenol	3 0 U	10	ug/L							U
Diethylphthalate	2 7 U	10	ug/L							U
4-Chlorophenyl-phenylether	2 8 U	10	ug/L							U
Fluorene	2 9 U	10	ug/L							U
Thionazin	2 8 U	10	ug/L							U
5-Nitro-o-toluidine	2 8 U	10	ug/L							U
4-Nitroaniline	3 3 U	10	ug/L							U
2-Methyl-4,6-dinitrophenol	7 2 U	10	ug/L							U
N-nitrosodiphenylamine/Diphenylamine	3 5 U	10	ug/L							U
Diallate [SIM]	0 021 U	0 10	ug/L							U
Phorate [SIM]	0 029 U	0 10	ug/L							U
4-Bromophenyl-phenylether	2 8 U	10	ug/L							U
Phenacetin	3 2 U	10	ug/L							U
1,3,5-Trinitrobenzene	4 0 U	10	ug/L							U
Hexachlorobenzene [SIM]	0 027 U	0 10	ug/L							U
Dimethoate [SIM]	0 019 U	0 10	ug/L							U
4-Aminobiphenyl	3 2 U	10	ug/L							U
Pronamide	2 7 U	10	ug/L							U
Pentachloronitrobenzene [SIM]	0 019 U	0 10	ug/L							U
Phenanthrene [SIM]	0 029 U	0 10	ug/L							U
Disulfoton [SIM]	0 042 U	0 10	ug/L							U
Anthracene [SIM]	0 021 U	0 10	ug/L							U
Methyl Parathion [SIM]	0 014 U	0 10	ug/L							U
Di-n-butylphthalate	3 0 U	10	ug/L							U
Parathion [SIM]	0 017 U	0 10	ug/L							U
Methapyrilene	9 3 U	10	ug/L							U
Isodrin	2 7 U	10	ug/L							U
Fluoranthene [SIM]	0 024 U	0 10	ug/L							U
Pyrene [SIM]	0 024 U	0 10	ug/L							U
Butylbenzylphthalate	3 6 U	10	ug/L							U
p-Dimethylaminoazobenzene	2 9 U	10	ug/L							U
Chlorobenzilate [SIM]	0 015 U	0 10	ug/L							U
Famphur	2 8 U	10	ug/L							U
3,3'-Dimethylbenzidine	2 2 U	10	ug/L							U
Kepone [SIM]	3 5 U	5 0	ug/L							U
2-Acetylaminofluorene	3 2 U	10	ug/L							U
3,3'-Dichlorobenzidine	3 2 U	10	ug/L							U
Benzo(a)anthracene [SIM]	0 025 U	0 10	ug/L							U
Bis(2-ethylhexyl)phthalate	3 4 U	10	ug/L							U
Chrysene [SIM]	0 024 U	0 10	ug/L							U
Di-n-octylphthalate	3 6 U	10	ug/L							U
7,12-Dimethylbenz(a)anthracene	2 3 U	10	ug/L							U

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 7K12022 - EPA 3510C_MS										
Blank (7K12022-BLK1) Continued				Prepared 11/12/2007 14 52 Analyzed 11/19/2007 11 58						
Benzo(b)fluoranthene [SIM]	0 021 U	0 10	ug/L							U
Benzo(k)fluoranthene [SIM]	0 020 U	0 10	ug/L							U
Benzo(a)pyrene [SIM]	0 019 U	0 10	ug/L							U
3-Methylcholanthrene	2 7 U	10	ug/L							U
Indeno(1,2,3-cd)pyrene [SIM]	0 062 U	0 10	ug/L							U
Dibenzo(a,h)anthracene [SIM]	0 078 U	0 10	ug/L							U
Benzo(g,h,i)perylene [SIM]	0 071 U	0 10	ug/L							U
LCS (7K12022-BS1)				Prepared 11/12/2007 14 52 Analyzed 11/19/2007 12 22						
Phenol	12	10	ug/L	50 0		24	20-48			
2-Chlorophenol	28	10	ug/L	50 0		56	55-98			
N-Nitroso-di-n-propylamine	37	10	ug/L	50 0		74	71-127			
4-Chloro-3-methylphenol	35	10	ug/L	50 0		71	55-106			
Acenaphthene	29	10	ug/L	50 0		58	42-100			
4-Nitrophenol	19	10	ug/L	50 0		37	19-59			
2,4-Dinitrotoluene	43	10	ug/L	50 0		87	66-105			
Pyrene	44	10	ug/L	50 0		87	65-115			
Matrix Spike (7K12022-MS1)		**Source: A706489-06**		Prepared 11/12/2007 14 52 Analyzed 11/19/2007 12 46						
Phenol	17	10	ug/L	50 0	2 6 U	34	20-48			
2-Chlorophenol	38	10	ug/L	50 0	5 7 U	75	55-98			
N-Nitroso-di-n-propylamine	49	10	ug/L	50 0	3 4 U	99	71-127			
4-Chloro-3-methylphenol	44	10	ug/L	50 0	6 3 U	89	55-106			
Acenaphthene	39	10	ug/L	50 0	3 0 U	78	42-100			
4-Nitrophenol	21	10	ug/L	50 0	2 6 U	42	19-59			
2,4-Dinitrotoluene	45	10	ug/L	50 0	3 0 U	89	66-105			
Pyrene	42	10	ug/L	50 0	2 8 U	85	65-115			
Matrix Spike Dup (7K12022-MSD1)		**Source: A706489-06**		Prepared 11/12/2007 14 52 Analyzed 11/19/2007 13 10						
Phenol	17	10	ug/L	50 0	2 6 U	35	20-48	3	32	
2-Chlorophenol	37	10	ug/L	50 0	5 7 U	73	55-98	2	27	
N-Nitroso-di-n-propylamine	49	10	ug/L	50 0	3 4 U	99	71-127	0 1	24	
4-Chloro-3-methylphenol	47	10	ug/L	50 0	6 3 U	93	55-106	5	28	
Acenaphthene	37	10	ug/L	50 0	3 0 U	74	42-100	6	27	
4-Nitrophenol	22	10	ug/L	50 0	2 6 U	43	19-59	4	35	
2,4-Dinitrotoluene	49	10	ug/L	50 0	3 0 U	99	66-105	10	23	
Pyrene	41	10	ug/L	50 0	2 8 U	81	65-115	4	28	
Organochlorine Pesticides by GC - Quality Control										
Batch 7K06029 - EPA 3510C										
Blank (7K06029-BLK2)				Prepared 11/06/2007 13 48 Analyzed 11/09/2007 14 09						
alpha-BHC	0 0018 U	0 050	ug/L							U
gamma-BHC	0 0034 U	0 050	ug/L							U
beta-BHC	0 0017 U	0 050	ug/L							U
delta-BHC	0 0014 U	0 050	ug/L							U
Heptachlor	0 0021 U	0 050	ug/L							U
Aldrin	0 0071 U	0 050	ug/L							U
Heptachlor epoxide	0 0021 U	0 050	ug/L							U
Chlordane-gamma	0 0019 U	0 050	ug/L							U
Chlordane-alpha	0 0017 U	0 050	ug/L							U
4,4'-DDE	0 0019 U	0 050	ug/L							U

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Organochlorine Pesticides by GC - Quality Control										
Batch 7K06029 - EPA 3510C										
Blank (7K06029-BLK2) Continued				Prepared 11/06/2007 13 48 Analyzed 11/09/2007 14 09						
Endosulfan I	0 0013 U	0 050	ug/L							U
Dieldrin	0 0012 U	0 050	ug/L							U
Endrin	0 0012 U	0 050	ug/L							U
4,4'-DDD	0 0020 U	0 050	ug/L							U
Endosulfan II	0 0020 U	0 050	ug/L							U
4,4'-DDT	0 0014 U	0 050	ug/L							U
Endrin aldehyde	0 0027 U	0 050	ug/L							U
Methoxychlor	0 0021 U	0 050	ug/L							U
Endosulfan sulfate	0 0025 U	0 050	ug/L							U
Chlordane (tech)	0 031 U	0 50	ug/L							U
Toxaphene	0 090 U	1 0	ug/L							U
Surrogate 2,4,5,6-TCMX	*1 0*		*ug/L*	*1 00*		*103*	*10-143*			
Surrogate Decachlorobiphenyl	*1 1*		*ug/L*	*1 00*		*113*	*70-130*			
LCS (7K06029-BS2)				Prepared 11/06/2007 13 48 Analyzed 11/09/2007 14 33						
Heptachlor	0 61	0 050	ug/L	1 00		61	25-143			
Aldrin	0 85	0 050	ug/L	1 00		85	29-145			
Dieldrin	0 94	0 050	ug/L	1 00		94	46-127			
Endrin	0 87	0 050	ug/L	1 00		87	28-143			
4,4'-DDT	0 68	0 050	ug/L	1 00		68	37-125			
Surrogate 2,4,5,6-TCMX	*0 86*		*ug/L*	*1 00*		*86*	*10-143*			
Surrogate Decachlorobiphenyl	*0 97*		*ug/L*	*1 00*		*97*	*70-130*			
Matrix Spike (7K06029-MS2)		**Source: A706372-01**		Prepared 11/06/2007 13 48 Analyzed 11/09/2007 14 57						
Heptachlor	0 59	0 050	ug/L	1 00		59	25-143			
Aldrin	0 82	0 050	ug/L	1 00		82	29-145			
Dieldrin	0 90	0 050	ug/L	1 00		90	46-127			
Endrin	0 85	0 050	ug/L	1 00		85	28-143			
4,4'-DDT	0 64	0 050	ug/L	1 00		64	37-125			
Surrogate 2,4,5,6-TCMX	*0 78*		*ug/L*	*1 00*		*78*	*10-143*			
Surrogate Decachlorobiphenyl	*0 83*		*ug/L*	*1 00*		*83*	*70-130*			
Matrix Spike Dup (7K06029-MSD2)		**Source: A706372-01**		Prepared 11/06/2007 13 48 Analyzed 11/09/2007 15 21						
Heptachlor	0 58	0 050	ug/L	1 00		58	25-143	3	33	
Aldrin	0 85	0 050	ug/L	1 00		85	29-145	4	50	
Dieldrin	0 90	0 050	ug/L	1 00		90	46-127	0	21	
Endrin	0 84	0 050	ug/L	1 00		84	28-143	0 4	22	
4,4'-DDT	0 63	0 050	ug/L	1 00		63	37-125	1	24	
Surrogate 2,4,5,6-TCMX	*0 84*		*ug/L*	*1 00*		*84*	*10-143*			
Surrogate Decachlorobiphenyl	*0 88*		*ug/L*	*1 00*		*88*	*70-130*			
Polychlorinated Biphenyls by GC - Quality Control										
Batch 7K06030 - EPA 3510C										
Blank (7K06030-BLK1)				Prepared 11/06/2007 13 52 Analyzed 11/09/2007 05 15						
PCB-1016/1242	0 057 U	1 0	ug/L							U
PCB-1221	0 076 U	1 0	ug/L							U
PCB-1232	0 21 U	1 0	ug/L							U
PCB-1248	0 14 U	1 0	ug/L							U
PCB-1254	0 46 U	1 0	ug/L							U
PCB-1260	0 089 U	1 0	ug/L							U

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Polychlorinated Biphenyls by GC - Quality Control										
Batch 7K06030 - EPA 3510C										
Blank (7K06030-BLK1) Continued				Prepared 11/06/2007 13 52 Analyzed 11/09/2007 05 15						
Surrogate Decachlorobiphenyl	*1 3*		*ug/L*	*1 00*		*131*	*70-130*			
LCS (7K06030-BS1)				Prepared 11/06/2007 13 52 Analyzed 11/09/2007 05 39						
PCB-1016/1242	12	1 0	ug/L	10 0		124	57-133			
PCB-1260	16	1 0	ug/L	10 0		160	16-186			
Surrogate Decachlorobiphenyl	*1 2*		*ug/L*	*1 00*		*121*	*70-130*			
Matrix Spike (7K06030-MS1)		**Source: A706372-01**		Prepared 11/06/2007 13 52 Analyzed 11/09/2007 06 03						
PCB-1016/1242	12	1 0	ug/L	10 0		122	57-133			
PCB-1260	16	1 0	ug/L	10 0		159	16-186			
Surrogate Decachlorobiphenyl	*1 7*		*ug/L*	*1 00*		*168*	*70-130*			
Matrix Spike Dup (7K06030-MSD1)		**Source: A706372-01**		Prepared 11/06/2007 13 52 Analyzed 11/09/2007 06 27						
PCB-1016/1242	12	1 0	ug/L	10 0		125	57-133	3	35	
PCB-1260	16	1 0	ug/L	10 0		161	16-186	1	34	
Surrogate Decachlorobiphenyl	*1 7*		*ug/L*	*1 00*		*166*	*70-130*			
Chlorinated Herbicides by GC - Quality Control										
Batch 7K06005 - EPA 3510C										
Blank (7K06005-BLK1)				Prepared 11/05/2007 07 28 Analyzed 11/08/2007 18 45						
2,4-D	0 12 U	0 30	ug/L							U
Pentachlorophenol	0 13 U	0 30	ug/L							U
2,4,5-TP (Silvex)	0 11 U	0 30	ug/L							U
2,4,5-T	0 11 U	0 30	ug/L							U
Dinoseb	0 23 U	0 30	ug/L							U
Surrogate 2,4-DCAA	*2 6*		*ug/L*	*2 00*		*128*	*77-191*			
LCS (7K06005-BS1)				Prepared 11/05/2007 07 28 Analyzed 11/08/2007 19 17						
2,4-D	2 4	0 30	ug/L	2 00		121	85-140			
2,4,5-TP (Silvex)	2 6	0 30	ug/L	2 00		130	74-177			
Surrogate 2,4-DCAA	*3 0*		*ug/L*	*2 00*		*149*	*77-191*			
Matrix Spike (7K06005-MS1)		**Source: A706340-01**		Prepared 11/05/2007 07 28 Analyzed 11/08/2007 19 50						
2,4-D	2 6	0 30	ug/L	2 00	0 12 U	129	85-140			
2,4,5-TP (Silvex)	2 5	0 30	ug/L	2 00	0 11 U	126	74-177			
Surrogate 2,4-DCAA	*2 8*		*ug/L*	*2 00*		*142*	*77-191*			
Matrix Spike Dup (7K06005-MSD1)		**Source: A706340-01**		Prepared 11/05/2007 07 28 Analyzed 11/08/2007 20 23						
2,4-D	2 2	0 30	ug/L	2 00	0 12 U	111	85-140	15	18	
2,4,5-TP (Silvex)	2 4	0 30	ug/L	2 00	0 11 U	121	74-177	4	10	
Surrogate 2,4-DCAA	*2 8*		*ug/L*	*2 00*		*138*	*77-191*			
Semivolatile Organic Compounds by GC - Quality Control										
Batch 7K12014 - EPA 504/8011										
Blank (7K12014-BLK1)				Prepared 11/12/2007 12 29 Analyzed 11/12/2007 15 18						
1,2-Dibromoethane	0 010 U	0 020	ug/L							U
1,2-Dibromo-3-chloropropane	0 008 U	0 020	ug/L							U
Surrogate 1,3-Dichlorobenzene	*0 31*		*ug/L*	*0 250*		*122*	*83-150*			
LCS (7K12014-BS1)				Prepared 11/12/2007 12 29 Analyzed 11/12/2007 15 29						
1,2-Dibromoethane	0 22	0 020	ug/L	0 250		89	49-154			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Semivolatile Organic Compounds by GC - Quality Control										
Batch 7K12014 - EPA 504/8011										
LCS (7K12014-BS1) Continued				Prepared 11/12/2007 12 29 Analyzed 11/12/2007 15 29						
1,2-Dibromo-3-chloropropane	0 23	0 020	ug/L	0 250		92	49-140			
Surrogate 1,3-Dichlorobenzene	*0 31*		*ug/L*	*0 250*		*124*	*83-150*			
Matrix Spike (7K12014-MS1)		**Source: A706372-01**		Prepared 11/12/2007 12 29 Analyzed 11/12/2007 15 40						
1,2-Dibromoethane	0 23	0 020	ug/L	0 250		94	49-154			
1,2-Dibromo-3-chloropropane	0 24	0 020	ug/L	0 250		97	49-140			
Surrogate 1,3-Dichlorobenzene	*0 31*		*ug/L*	*0 250*		*126*	*83-150*			
Matrix Spike Dup (7K12014-MSD1)		**Source: A706372-01**		Prepared 11/12/2007 12 29 Analyzed 11/12/2007 15 51						
1,2-Dibromoethane	0 24	0 020	ug/L	0 250		96	49-154	2	11	
1,2-Dibromo-3-chloropropane	0 25	0 020	ug/L	0 250		99	49-140	2	15	
Surrogate 1,3-Dichlorobenzene	*0 30*		*ug/L*	*0 250*		*121*	*83-150*			
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7K06022 - EPA 7470A										
Blank (7K06022-BLK1)				Prepared 11/12/2007 11 28 Analyzed 11/13/2007 07 18						
Mercury	0 009 U	0 20	ug/L							U
LCS (7K06022-BS1)				Prepared 11/12/2007 11 28 Analyzed 11/13/2007 07 21						
Mercury	4 80	0 20	ug/L	5 00		96	90-110			
Matrix Spike (7K06022-MS1)		**Source: A706204-02**		Prepared 11/12/2007 11 28 Analyzed 11/13/2007 07 27						
Mercury	5 07	0 20	ug/L	5 00	0 009 U	101	90-110			
Matrix Spike Dup (7K06022-MSD1)		**Source: A706204-02**		Prepared 11/12/2007 11 28 Analyzed 11/13/2007 07 31						
Mercury	5 01	0 20	ug/L	5 00	0 009 U	100	90-110	1	10	
Post Spike (7K06022-PS1)		**Source: A706204-02**		Prepared 11/13/2007 06 00 Analyzed 11/13/2007 07 34						
Mercury	6 08	0 20	ug/L	5 94	0 009 U	102	0-200			
Batch 7K07013 - EPA 3005A										
Blank (7K07013-BLK1)				Prepared 11/07/2007 16 11 Analyzed 11/08/2007 14 35						
Antimony	0 820 U	5 00	ug/L							U
Arsenic	1 10 U	10 0	ug/L							U
Barium	5 00 U	100	ug/L							U
Beryllium	0 730 U	1 00	ug/L							U
Cadmium	0 820 U	3 00	ug/L							U
Chromium	**0.953** I	10 0	ug/L							J
Cobalt	0 500 U	10 0	ug/L							U
Copper	0 500 U	10 0	ug/L							U
Iron	2 80 U	50 0	ug/L							U
Lead	0 500 U	5 00	ug/L							U
Nickel	0 500 U	10 0	ug/L							U
Selenium	3 10 U	10 0	ug/L							U
Silver	0 072 U	1 00	ug/L							U
Sodium	100 U	1000	ug/L							U
Thallium	0 200 U	1 00	ug/L							U
Tin	5 30 U	50 0	ug/L							U
Vanadium	0 500 U	10 0	ug/L							U
Zinc	6 60 U	50 0	ug/L							U
LCS (7K07013-BS1)				Prepared 11/07/2007 16 11 Analyzed 11/08/2007 14 41						
Antimony	49 2	5 00	ug/L	50 0		98	85-115			
Arsenic	472	10 0	ug/L	500		94	85-115			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7K07013 - EPA 3005A										
LCS (7K07013-BS1) Continued				Prepared 11/07/2007 16 11 Analyzed 11/08/2007 14 41						
Barium	489	100	ug/L	500		98	85-115			
Beryllium	52 6	1 00	ug/L	50 0		105	85-115			
Cadmium	47 8	3 00	ug/L	50 0		96	85-115			
Chromium	490 V	10 0	ug/L	500		98	85-115			B
Cobalt	512	10 0	ug/L	500		102	85-115			
Copper	507	10 0	ug/L	500		101	85-115			
Iron	992	50 0	ug/L	1000		99	85-115			
Lead	494	5 00	ug/L	500		99	85-115			
Nickel	508	10 0	ug/L	500		102	85-115			
Selenium	485	10 0	ug/L	500		97	85-115			
Silver	49 3	1 00	ug/L	50 0		99	85-115			
Sodium	26000	1000	ug/L	25000		104	85-115			
Thallium	49 4	1 00	ug/L	50 0		99	85-115			
Tin	492	50 0	ug/L	500		98	85-115			
Vanadium	510	10 0	ug/L	500		102	85-115			
Zinc	492	50 0	ug/L	500		98	85-115			
Matrix Spike (7K07013-MS1)		**Source: A706204-02**		Prepared 11/07/2007 16 11 Analyzed 11/08/2007 14 58						
Antimony	49 9	5 00	ug/L	50 0	0 820 U	100	85-115			
Arsenic	479	10 0	ug/L	500	1 10 U	96	85-115			
Barium	485	100	ug/L	500	5 00 U	97	85-115			
Beryllium	50 9	1 00	ug/L	50 0	0 730 U	102	85-115			
Cadmium	48 2	3 00	ug/L	50 0	0 820 U	96	85-115			
Chromium	511 V	10 0	ug/L	500	1 46	102	85-115			B
Cobalt	516	10 0	ug/L	500	0 500 U	103	85-115			
Copper	507	10 0	ug/L	500	0 500 U	101	85-115			
Iron	1030	50 0	ug/L	1000	2 80 U	103	85-115			
Lead	496	5 00	ug/L	500	0 500 U	99	85-115			
Nickel	510	10 0	ug/L	500	0 500 U	102	85-115			
Selenium	492	10 0	ug/L	500	3 10 U	98	85-115			
Silver	49 0	1 00	ug/L	50 0	0 072 U	98	85-115			
Sodium	26700	1000	ug/L	25000	100 U	107	85-115			
Thallium	49 8	1 00	ug/L	50 0	0 200 U	100	85-115			
Tin	494	50 0	ug/L	500	5 30 U	99	85-115			
Vanadium	514	10 0	ug/L	500	0 500 U	103	85-115			
Zinc	497	50 0	ug/L	500	6 60 U	99	85-115			
Matrix Spike Dup (7K07013-MSD1)		**Source: A706204-02**		Prepared 11/07/2007 16 11 Analyzed 11/08/2007 15 06						
Antimony	50 5	5 00	ug/L	50 0	0 820 U	101	85-115	1	20	
Arsenic	470	10 0	ug/L	500	1 10 U	94	85-115	2	20	
Barium	483	100	ug/L	500	5 00 U	97	85-115	0 6	20	
Beryllium	52 0	1 00	ug/L	50 0	0 730 U	104	85-115	2	20	
Cadmium	47 6	3 00	ug/L	50 0	0 820 U	95	85-115	1	20	
Chromium	505 V	10 0	ug/L	500	1 46	101	85-115	1	20	B
Cobalt	513	10 0	ug/L	500	0 500 U	103	85-115	0 6	20	
Copper	506	10 0	ug/L	500	0 500 U	101	85-115	0 2	20	
Iron	1020	50 0	ug/L	1000	2 80 U	102	85-115	1	20	
Lead	490	5 00	ug/L	500	0 500 U	98	85-115	1	20	
Nickel	506	10 0	ug/L	500	0 500 U	101	85-115	0 9	20	
Selenium	481	10 0	ug/L	500	3 10 U	96	85-115	2	20	
Silver	49 0	1 00	ug/L	50 0	0 072 U	98	85-115	0 1	20	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7K07013 - EPA 3005A

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Matrix Spike Dup (7K07013-MSD1) Continued		**Source: A706204-02**		Prepared 11/07/2007 16 11 Analyzed 11/08/2007 15 06						
Sodium	26000	1000	ug/L	25000	100 U	104	85-115	3	20	
Thallium	49 0	1 00	ug/L	50 0	0 200 U	98	85-115	2	20	
Tin	491	50 0	ug/L	500	5 30 U	98	85-115	0 6	20	
Vanadium	511	10 0	ug/L	500	0 500 U	102	85-115	0 6	20	
Zinc	492	50 0	ug/L	500	6 60 U	98	85-115	1	20	
Post Spike (7K07013-PS1)		**Source: A706204-02**		Prepared 11/08/2007 12 00 Analyzed 11/08/2007 15 15						
Antimony	4 84	0 500	ug/L	4 90	0 067	97	75-125			
Arsenic	46 1	1 00	ug/L	49 0	-0 028	94	75-125			
Barium	46 9	10 0	ug/L	49 0	-2 03	100	75-125			
Beryllium	5 09	0 100	ug/L	4 90	0 007	104	75-125			
Cadmium	4 61	0 300	ug/L	4 90	0 032	93	75-125			
Chromium	48 8 V	1 00	ug/L	49 0	0 143	99	75-125			B
Cobalt	49 8	1 00	ug/L	49 0	-0 156	102	75-125			
Copper	48 9	1 00	ug/L	49 0	-0 084	100	75-125			
Iron	99 6	5 00	ug/L	98 0	-1 23	103	75-125			
Lead	47 5	0 500	ug/L	49 0	-0 081	97	75-125			
Nickel	49 5	1 00	ug/L	49 0	-0 077	101	75-125			
Selenium	46 4	1 00	ug/L	49 0	-0 186	95	75-125			
Silver	4 70	0 100	ug/L	4 90	0 006	96	75-125			
Sodium	2550	100	ug/L	2450	-24 3	105	75-125			
Thallium	4 75	0 100	ug/L	4 90	-0 003	97	75-125			
Tin	47 0	5 00	ug/L	49 0	0 006	96	75-125			
Vanadium	49 5	1 00	ug/L	49 0	-0 119	101	75-125			
Zinc	47 4	5 00	ug/L	49 0	0 166	96	75-125			

Batch AA02162 - 7K07012

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Serial Dilution (AA02162-SRD1)		**Source: A706204-02**		Prepared 11/07/2007 00 00 Analyzed 11/08/2007 15 23						
Antimony	4 22	25 0	ug/L		4 10 U				10	
Arsenic	5 50 U	50 0	ug/L		5 50 U				10	U
Barium	25 0 U	500	ug/L		25 0 U				10	U
Beryllium	3 65 U	5 00	ug/L		3 65 U				10	U
Cadmium	4 10 U	15 0	ug/L		4 10 U				10	U
Chromium	3 45 U	50 0	ug/L		1 46				10	U
Cobalt	2 50 U	50 0	ug/L		2 50 U				10	U
Copper	2 50 U	50 0	ug/L		2 50 U				10	U
Iron	14 0 U	250	ug/L		14 0 U				10	U
Lead	2 50 U	25 0	ug/L		2 50 U				10	U
Nickel	2 50 U	50 0	ug/L		2 50 U				10	U
Selenium	15 5 U	50 0	ug/L		15 5 U				10	U
Silver	0 360 U	5 00	ug/L		0 360 U				10	U
Sodium	500 U	5000	ug/L		500 U				10	U
Thallium	1 00 U	5 00	ug/L		1 00 U				10	U
Tin	26 5 U	250	ug/L		26 5 U				10	U
Vanadium	2 50 U	50 0	ug/L		2 50 U				10	U
Zinc	33 0 U	250	ug/L		33 0 U				10	U
Serial Dilution (AA02162-SRD2)		**Source: A706203-01**		Prepared 11/07/2007 00 00 Analyzed 11/08/2007 21 16						
Antimony	1 64 U	10 0	ug/L						10	U
Arsenic	2 20 U	20 0	ug/L						10	U
Barium	24 4	200	ug/L						10	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch AA02162 - 7K07012										
Serial Dilution (AA02162-SRD2) Continued		**Source: A706203-01**		Prepared 11/07/2007 00 00 Analyzed 11/08/2007 21 16						
Beryllium	1 46 U	2 00	ug/L						10	U
Cadmium	1 64 U	6 00	ug/L						10	U
Chromium	7 07	20 0	ug/L						10	
Cobalt	1 00 U	20 0	ug/L						10	U
Copper	11 0	20 0	ug/L						10	
Iron	7830	100	ug/L						10	
Lead	41 6	10 0	ug/L						10	
Nickel	2 81	20 0	ug/L						10	
Selenium	6 20 U	20 0	ug/L						10	U
Silver	0 144 U	2 00	ug/L						10	U
Sodium	200 U	2000	ug/L						10	U
Thallium	0 400 U	2 00	ug/L						10	U
Tin	26 8	100	ug/L						10	
Vanadium	3 25	20 0	ug/L						10	
Zinc	130	100	ug/L						10	
Batch AA02204 - 7K12004										
Serial Dilution (AA02204-SRD1)		**Source: A706204-02**		Prepared 11/12/2007 00 00 Analyzed 11/13/2007 07 37						
Mercury	0 022 U	0 060	ug/L		0 022 U				200	U
Serial Dilution (AA02204-SRD2)		**Source: A706377-01**		Prepared 11/12/2007 00 00 Analyzed 11/13/2007 08 58						
Mercury	0 022 U	0 060	ug/L						200	U
Classical Chemistry Parameters - Quality Control										
Batch 7K06020 - NO PREP										
Blank (7K06020-BLK1)				Prepared 11/06/2007 11 27 Analyzed 11/06/2007 11 28						
Nitrate as N	0 008 U	0 050	mg/L							U
Nitrite as N	0 007 U	0 050	mg/L							U
Chloride	**0.48** I	1 0	mg/L							J
LCS (7K06020-BS1)				Prepared 11/06/2007 11 27 Analyzed 11/06/2007 11 46						
Nitrate as N	5 1	0 050	mg/L	5 00		101	90-112			
Nitrite as N	2 5	0 050	mg/L	2 50		101	81-116			
Chloride	260 V	1 0	mg/L	250		106	85-118			B
Matrix Spike (7K06020-MS1)		**Source: A706297-03**		Prepared 11/06/2007 11 27 Analyzed 11/06/2007 12 04						
Nitrate as N	5 3	0 050	mg/L	5 10	0 23	99	90-112			
Nitrite as N	2 6	0 050	mg/L	2 55	0 029	99	81-116			
Chloride	270 V	1 0	mg/L	255	5 5	105	85-118			B
Matrix Spike Dup (7K06020-MSD1)		**Source: A706297-03**		Prepared 11/06/2007 11 27 Analyzed 11/06/2007 12 21						
Nitrate as N	5 2	0 050	mg/L	5 10	0 23	97	90-112	2	16	
Nitrite as N	2 6	0 050	mg/L	2 55	0 029	99	81-116	0 4	19	
Chloride	270 V	1 0	mg/L	255	5 5	105	85-118	0 5	10	B
Batch 7K06024 - NO PREP										
Blank (7K06024-BLK1)				Prepared 11/06/2007 16 35 Analyzed 11/07/2007 23 30						
Total Dissolved Solids	10 U	10	mg/L							U
LCS (7K06024-BS1)				Prepared 11/06/2007 16 35 Analyzed 11/07/2007 23 30						
Total Dissolved Solids	280	10	mg/L	300		92	87-114			
Duplicate (7K06024-DUP1)		**Source: A705541-01**		Prepared 11/06/2007 16 35 Analyzed 11/07/2007 23 30						
Total Dissolved Solids	620	10	mg/L		610			1	10	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7K06032 - NO PREP										
Blank (7K06032-BLK1)				Prepared 11/06/2007 15 51 Analyzed 11/06/2007 19 40						
Sulfide	0 45 U	1 0	mg/L							U
LCS (7K06032-BS1)				Prepared 11/06/2007 15 51 Analyzed 11/06/2007 19 40						
Sulfide	4 0	1 0	mg/L	4 01		99	84-106			
Matrix Spike (7K06032-MS1)		**Source: A706297-03**		Prepared 11/06/2007 15 51 Analyzed 11/06/2007 19 40						
Sulfide	3 8	1 0	mg/L	4 01	0 45 U	95	84-106			
Matrix Spike Dup (7K06032-MSD1)		**Source: A706297-03**		Prepared 11/06/2007 15 51 Analyzed 11/06/2007 19 40						
Sulfide	3 6	1 0	mg/L	4 01	0 45 U	91	84-106	5	10	
Batch 7K07002 - NO PREP										
Blank (7K07002-BLK1)				Prepared 11/07/2007 08 02 Analyzed 11/07/2007 19 30						
Cyanide (total)	0 0054 U	0 010	mg/L							U
LCS (7K07002-BS1)				Prepared 11/07/2007 08 02 Analyzed 11/07/2007 19 30						
Cyanide (total)	0 19	0 010	mg/L	0 200		96	84-113			
Matrix Spike (7K07002-MS1)		**Source: A705128-01**		Prepared 11/07/2007 08 02 Analyzed 11/07/2007 19 30						
Cyanide (total)	0 17	0 010	mg/L	0 200	0 0054 U	84	84-113			
Matrix Spike Dup (7K07002-MSD1)		**Source: A705128-01**		Prepared 11/07/2007 08 02 Analyzed 11/07/2007 19 30						**QM-07**
Cyanide (total)	0 16	0 010	mg/L	0 200	0 0054 U	82	84-113	2	10	QM-07
Batch 7K07018 - NO PREP										
Blank (7K07018-BLK1)				Prepared 11/07/2007 12 47 Analyzed 11/07/2007 15 18						
Ammonia as N	0 008 U	0 020	mg/L							U
LCS (7K07018-BS1)				Prepared 11/07/2007 12 47 Analyzed 11/07/2007 15 20						
Ammonia as N	1 0	0 020	mg/L	1 00		101	90-110			
Matrix Spike (7K07018-MS1)		**Source: A706333-01**		Prepared 11/07/2007 12 47 Analyzed 11/07/2007 15 51						
Ammonia as N	4 5	0 10	mg/L	1 00	3 6	93	90-110			D
Matrix Spike Dup (7K07018-MSD1)		**Source: A706333-01**		Prepared 11/07/2007 12 47 Analyzed 11/07/2007 15 53						
Ammonia as N	4 6	0 10	mg/L	1 00	3 6	97	90-110	0 8	10	D

Special Notes

[1] V = Analyte is found in the associated blank as well as in the sample (CLP B-flag).

[2] D = Data reported from a dilution

[3] I = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

[4] QM-0' = The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

[5] QV-02 = The associated continuing calibration verification standard exhibited low bias; the reported result should be considered to be a minimum estimate.

[6] U = Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8011	Water	NELAC	E83182
8081A Appendix 2	Water	NELAC	E83182
8082 Appendix 2	Water	NELAC	E83182
8151A Appendix 2	Water	NELAC	E83182
8260B Appendix 2 FL	Water	NELAC	E83182
8270C Appendix 2 Scan-SIM	Water	NELAC	E83182
Ammonia 350 1	Water	NELAC	E83182
Antimony Total EPA 6020	Water	NELAC	E83182
Arsenic Total EPA 6020	Water	NELAC	E83182
Barium Total EPA 6020	Water	NELAC	E83182
Beryllium Total EPA 6020	Water	NELAC	E83182
Cadmium Total EPA 6020	Water	NELAC	E83182
Chloride 300	Water	NELAC	E83182
Chromium Total EPA 6020	Water	NELAC	E83182
Cobalt Total EPA 6020	Water	NELAC	E83182
Copper Total EPA 6020	Water	NELAC	E83182
Cyanide Total 335 2	Water	NELAC	E83182
Iron Total EPA 6020	Water	NELAC	E83182
Lead Total EPA 6020	Water	NELAC	E83182
Mercury Total EPA 7000	Water	NELAC	E83182
Nickel Total EPA 6020	Water	NELAC	E83182
Nitrate as N 300	Water	NELAC	E83182
Nitrite as N 300	Water	NELAC	E83182
Selenium Total EPA 6020	Water	NELAC	E83182
Silver Total EPA 6020	Water	NELAC	E83182
Sodium Total EPA 6020	Water	NELAC	E83182
Sulfide 376 1	Water	NELAC	E83182
TDS 160 1	Water	NELAC	E83182
Thallium Total EPA 6020	Water	NELAC	E83182
Tin Total EPA 6020	Water	NELAC	E83182
Vanadium Total EPA 6020	Water	NELAC	E83182
Zinc Total EPA 6020	Water	NELAC	E83182

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QSARF #A7X6204

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ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT REFERENCE: Angelos Enterprise LF
PROJECT NO.: 0-60365
PO NUMBER:
PROJECT LOC (State): FL
SAMPLER(S) NAME: DAN Lichtenwalter
PHONE: (352) 302-3516
FAX:
CLIENT NAME: HDR inc.
CLIENT PROJECT MANAGER: K. Weitz
CLIENT ADDRESS (CITY, STATE, ZIP): 4140 NW 37TH PL Suite A G'ville FL 32606

REQUIRED ANALYSES: See Attached!

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due ____

Station	Date	Time	Grab	Comp	Sample Identification	Surface Water	Ground Water	Wastewater	Drinking Water	Soil/Solid/Sediment	Non-Aqueous Liquid	Air	Sludge	Other		Number of Containers Submitted								Remarks
MW-11B	11/5/07	1434	✓		07IAE- 11B		✓									13								
2 EQB	↓	1523	✓		⊥ -EQB									✓		13								EQ Blank
3 TB	↓													✓		2								Trip Blank
4																								
5																								
6																							*	MW-11 NOT
7																								enough H2O
8																								to sample
9																								D.L.
10																								
11																								
12																								
13																								
14																								

	DATE	TIME		DATE	TIME		DATE	TIME
SAMPLE KIT PREPARED BY ☐ JACKSONVILLE [✓ ORLANDO] JF	10/26	13:00	RELINQUISHED BY (SIGNATURE) C. Fausi	10/26	13:00	RECEIVED BY (SIGNATURE) Dan Lichtwalt	11/5/07	1200
RELINQUISHED BY (SIGNATURE) Dan Lichtwalt	11/5/07	1845	RECEIVED BY (SIGNATURE)			RELINQUISHED BY (SIGNATURE)		
RECEIVED BY (SIGNATURE)			RELINQUISHED BY (SIGNATURE)			RECEIVED BY (SIGNATURE)		

RECEIVED FOR LABORATORY BY (SIGNATURE): ☐ Jacksonville ☐ Orlando
DATE: 11/6/07
TIME: 0910
CUSTODY INTACT: ~~YES~~ ☐ NO
ENCO LOG NO: A706204
REMARKS: Shipped Greyhound from Gainesville to Orlando @-17 °C

GH

Environmental Conservation Laboratories, Inc.
10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX 407.850.6945
www.encolabs.com

Friday, December 28, 2007

HDR, Inc. (HD002)
Attn: John Locklear
4140 NW 37th Place, Suite A
Gainesville, FL 32606

RE: Project Number: HD002, Project Name/Desc: Enterprise Class III LF
ENCO Workorder: A706824

Dear John Locklear,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, December 18, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Marcia C Colon

Marcia Colon
Project Manager

Enclosure(s)

LAB #		A706824-01	A706824-02	A706824-03	A706824-04	A706824-05	A706824-06
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
SAMPLE ID	Reporting Limit	MW-6	MW-7BR	MW-8B	MW-9B	MW-10B	MW-11B
Volatile Organic Compounds by GCMS (Water)							
Chloromethane	1.0 ug/L	<0.37 [8]	<0 37 [8]	<0.37 [8]	<0.37 [8]	<0 37 [8]	<0 37 [8]
Vinyl chloride	1.0 ug/L	<0 91 [8]	<0.91 [8]	<0 91 [8]	<0 91 [8]	<0 91 [8]	<0 91 [8]
Bromomethane	1.0 ug/L	<0 68 [8]	<0.68 [8]	<0 68 [8]	<0 68 [8]	<0.68 [8]	<0 68 [8]
Chloroethane	1 0 ug/L	<0.54 [8]	<0 54 [8]	<0.54 [8]	<0.54 [8]	<0 54 [8]	<0.54 [8]
Trichlorofluoromethane	1 0 ug/L	<0.52 [8]	<0 52 [8]	<0.52 [8]	3.3	<0 52 [8]	2 6
Acetone	5.0 ug/L	<0.74 [8]	<0 74 [8]	5 5	<0.74 [8]	<0 74 [8]	<0 74 [8]
1,1-Dichloroethene	1 0 ug/L	<0 46 [8]	<0.46 [8]	<0.46 [8]	<0 46 [8]	<0.46 [8]	<0 46 [8]
Iodomethane	3.0 ug/L	<0 98 [8]	<0.98 [8]	<0.98 [8]	<0.98 [8]	<0.98 [8]	<0 98 [8]
Carbon disulfide	5 0 ug/L	<0 50 [8]	<0.50 [8]	<0 50 [8]	<0.50 [8]	<0.50 [8]	<0.50 [8]
Methylene chloride	2.0 ug/L	<0 49 [8]	<0 49 [8]	<0.49 [8]	<0.49 [8]	<0 49 [8]	<0 49 [8]
Acrylonitrile	5 0 ug/L	<3 5 [8]	<3.5 [8]	<3.5 [8]	<3.5 [8]	<3 5 [8]	<3 5 [8]
trans-1,2-Dichloroethene	1 0 ug/L	<0.58 [8]	<0 58 [8]	<0 58 [8]	<0 58 [8]	<0 58 [8]	<0.58 [8]
cis-1,2-Dichloroethene	1 0 ug/L	<0.34 [8]	<0 34 [8]	<0 34 [8]	<0.34 [8]	<0.34 [8]	<0 34 [8]
1,1-Dichloroethane	1.0 ug/L	<0.35 [8]	<0 35 [8]	<0.35 [8]	<0 35 [8]	<0 35 [8]	<0.35 [8]
Vinyl acetate	1.0 ug/L	<0 42 [7] [8]	<0 42 [7] [8]	<0.42 [7] [8]	<0.42 [7] [8]	<0.42 [7] [8]	<0 42 [7] [8]
2-Butanone	5.0 ug/L	<2.5 [8]	<2 5 [8]	<2 5 [8]	<2.5 [8]	<2.5 [8]	<2 5 [8]
Chloroform	1.0 ug/L	<0 36 [8]	<0 36 [8]	<0.36 [8]	<0.36 [8]	<0.36 [8]	<0 36 [8]
Bromochloromethane	1.0 ug/L	<0 33 [8]	<0 33 [8]	<0.33 [8]	<0.33 [8]	<0 33 [8]	<0 33 [8]
1,1,1-Trichloroethane	1.0 ug/L	<0 50 [8]	<0.50 [8]	<0.50 [8]	<0 50 [8]	<0 50 [8]	<0 50 [8]
Carbon tetrachloride	1 0 ug/L	<0 47 [8]	<0 47 [8]	<0.47 [8]	<0.47 [8]	<0.47 [8]	<0 47 [8]
1,2-Dichloroethane	1 0 ug/L	<0.39 [8]	<0.39 [8]	<0 39 [8]	<0.39 [8]	<0 39 [8]	<0.39 [8]
Benzene	1.0 ug/L	<0.34 [8]	<0 34 [8]	<0 34 [8]	<0 34 [8]	<0 34 [8]	<0 34 [8]
Trichloroethene	1 0 ug/L	<0.30 [8]	<0 30 [8]	<0.30 [8]	<0.30 [8]	<0.30 [8]	<0.30 [8]
1,2-Dichloropropane	1 0 ug/L	<0 33 [8]	<0.33 [8]	<0 33 [8]	<0 33 [8]	<0 33 [8]	<0 33 [8]
Bromodichloromethane	1 0 ug/L	<0.22 [8]	<0.22 [8]	<0.22 [8]	<0.22 [8]	<0 22 [8]	<0.22 [8]
Dibromomethane	1 0 ug/L	<0.52 [8]	<0 52 [8]	<0 52 [8]	<0 52 [8]	<0 52 [8]	<0.52 [8]
4-Methyl-2-pentanone	5.0 ug/L	<0.97 [8]	<0 97 [8]	<0 97 [8]	<0 97 [8]	<0 97 [8]	<0 97 [8]
2-Hexanone	5 0 ug/L	<0.75 [8]	<0.75 [8]	<0 75 [8]	<0 75 [8]	<0 75 [8]	<0 75 [8]
cis-1,3-Dichloropropene	1 0 ug/L	<0 20 [8]	<0 20 [8]	<0 20 [8]	<0.20 [8]	<0 20 [8]	<0 20 [8]
Toluene	1.0 ug/L	<0 38 [8]	<0 38 [8]	<0.38 [8]	<0.38 [8]	<0 38 [8]	<0.38 [8]
trans-1,3-Dichloropropene	1 0 ug/L	<0 20 [8]	<0.20 [8]	<0.20 [8]	<0.20 [8]	<0 20 [8]	<0 20 [8]
1,1,2-Trichloroethane	1 0 ug/L	<0.33 [8]	<0.33 [8]	<0 33 [8]	<0 33 [8]	<0 33 [8]	<0 33 [8]
Tetrachloroethene	1 0 ug/L	<0.47 [8]	<0 47 [8]	<0 47 [8]	<0.47 [8]	<0 47 [8]	<0 47 [8]
Dibromochloromethane	1 0 ug/L	<0.23 [8]	<0.23 [8]	<0.23 [8]	<0 23 [8]	<0 23 [8]	<0 23 [8]
Chlorobenzene	1.0 ug/L	<0.27 [8]	<0 27 [8]	<0.27 [8]	<0 27 [8]	<0 27 [8]	<0 27 [8]
1,1,1,2-Tetrachloroethane	1 0 ug/L	<0.45 [8]	<0 45 [8]	<0 45 [8]	<0.45 [8]	<0 45 [8]	<0 45 [8]
Ethylbenzene	1.0 ug/L	<0 36 [8]	<0 36 [8]	<0 36 [8]	<0 36 [8]	<0 36 [8]	<0 36 [8]
m,p-Xylenes	1 0 ug/L	<0 52 [8]	<0 52 [8]	<0 52 [8]	<0 52 [8]	<0 52 [8]	<0 52 [8]
o-Xylene	1.0 ug/L	<0 35 [8]	<0 35 [8]	<0 35 [8]	<0 35 [8]	<0 35 [8]	<0 35 [8]
Bromoform	1 0 ug/L	<0.33 [8]	<0.33 [8]	<0.33 [8]	<0.33 [8]	<0.33 [8]	<0.33 [8]
Styrene	1 0 ug/L	<0.23 [8]	<0.23 [8]	<0.23 [8]	<0.23 [8]	<0 23 [8]	<0 23 [8]
1,2,3-Trichloropropane	1 0 ug/L	<0 36 [8]	<0 36 [8]	<0 36 [8]	<0 36 [8]	<0 36 [8]	<0 36 [8]
1,1,2,2-Tetrachloroethane	1 0 ug/L	<0 22 [8]	<0 22 [8]	<0.22 [8]	<0 22 [8]	<0 22 [8]	<0.22 [8]
trans-1,4-Dichloro-2-butene	1.0 ug/L	<0 54 [8]	<0 54 [8]	<0 54 [8]	<0 54 [8]	<0 54 [8]	<0 54 [8]
1,4-Dichlorobenzene	1 0 ug/L	<0 33 [8]	<0 33 [8]	<0 33 [8]	<0 33 [8]	<0 33 [8]	<0 33 [8]

LAB #		A706824-01	A706824-02	A706824-03	A706824-04	A706824-05	A706824-06
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
SAMPLE ID	Reporting Limit	MW-6	MW-7BR	MW-8B	MW-9B	MW-10B	MW-11B
Volatile Organic Compounds by GCMS (continued)							
1,2-Dichlorobenzene	1.0 ug/L	<0.33 [8]	<0.33 [8]	<0 33 [8]	<0.33 [8]	<0 33 [8]	<0 33 [8]
Xylenes (Total)	1.0 ug/L	<0.52 [8]	<0 52 [8]	<0 52 [8]	<0 52 [8]	<0 52 [8]	<0 52 [8]
Dibromofluoromethane	141 [surr]	120%	120%	130%	130%	130%	130%
Toluene-d8	134 [surr]	100%	100%	100%	100%	110%	100%
4-Bromofluorobenzene	147 [surr]	100%	100%	100%	100%	100%	99%
Semivolatile Organic Compounds by GCMS SIM (Water)							
Indeno(1,2,3-cd)pyrene	0.1 ug/L	-	-	-	-	-	<0 020 [8]
Dibenzo(a,h)anthracene	0.1 ug/L	-	-	-	-	-	<0.020 [8]
p-Terphenyl	148 [surr]	-	-	-	-	-	110%
Semivolatile Organic Compounds by GC (Water)							
1,2-Dibromoethane [2C]	0.02 ug/L	<0 010 [8]	<0.010 [8]	<0.010 [8]	<0.010 [8]	<0.010 [8]	<0 010 [8]
1,2-Dibromo-3-chloropropane [2C]	0.02 ug/L	<0 008 [8]	<0 008 [8]	<0.008 [8]	<0.008 [8]	<0.008 [8]	<0 008 [8]
1,3-Dichlorobenzene [2C]	150 [surr]	110%	110%	110%	120%	120%	110%
Metals by EPA 6000/7000 Series Methods (Water)							
Antimony	5 00 ug/L	<0.820 [8]	<0 820 [8]	<0 820 [8]	<0 820 [8]	<0 820 [8]	<0 820 [8]
Arsenic	10.0 ug/L	<1 10 [8]	<1 10 [8]	2.80 [2]	<1.10 [8]	<1 10 [8]	<1 10 [8]
Barium	100 ug/L	<5.00 [8]	<5 00 [8]	177	<5 00 [8]	<5 00 [8]	<5.00 [8]
Beryllium	1 00 ug/L	<0.730 [8]	<0 730 [8]	<0.730 [8]	<0.730 [8]	<0 730 [8]	<0 730 [8]
Cadmium	3.00 ug/L	<0 820 [8]	<0.820 [8]	<0.820 [8]	<0.820 [8]	<0 820 [8]	<0 820 [8]
Chromium	10.0 ug/L	<0.690 [8]	13.3	<0 690 [8]	55.5	2.63 [2]	23.6
Cobalt	10 0 ug/L	<0 500 [8]	<0.500 [8]	2.89 [2]	0.967 [2]	0 606 [2]	0 678 [2]
Copper	10.0 ug/L	2.76 [2]	0.782 [2]	9 14 [2]	1.13 [2]	<0.500 [8]	0.733 [2]
Iron	50.0 ug/L	108	7.31 [2]	4040	365	183	264
Lead	5.00 ug/L	0.632 [2]	<0.500 [8]	<0.500 [8]	<0.500 [8]	<0 500 [8]	<0 500 [8]
Mercury	0.20 ug/L	<0 009 [8]	<0.009 [8]	0.01 [2]<0.009 [	8]	<0 009 [8]	<0 009 [8]
Nickel	10 0 ug/L	0 686 [2]	2 28 [2]	5.50 [2]	31 3	8 05 [2]	13 3
Selenium	10 0 ug/L	<3 10 [8]	<3 10 [8]	<3 10 [8]	<3.10 [8]	<3 10 [8]	<3.10 [8]
Silver	1 00 ug/L	<0 072 [8]	<0 072 [8]	<0 072 [8]	<0 072 [8]	<0 072 [8]	<0 072 [8]
Sodium	1 00 mg/L	4 72	7.05	4 14	4 12	4 27	4 55
Thallium	1 00 ug/L	<0.200 [8]	<0 200 [8]	<0 200 [8]	<0.200 [8]	<0.200 [8]	<0.200 [8]
Vanadium	10.0 ug/L	<0.500 [8]	11 6	<0.500 [8]	1.47 [2]	0 867 [2]	2 92 [2]
Zinc	50.0 ug/L	6.81 [2]	<6.60 [8]	<6.60 [8]	<6 60 [8]	9 85 [2]	33 8 [2]
Classical Chemistry Parameters (Water)							
Ammonia as N	0 020 mg/L	<0 008 [8]	0 008 [2]	0.69	<0 008 [8]	0.042	<0 008 [8]
Chloride	1 0 mg/L	7.2 [1] [3]	5 1 [1] [3]	5 5 [1] [3]	6 5 [1] [3]	6.0 [1] [3]	6 7 [1] [3]
Nitrate as N	0.050 mg/L	0 42	0 94	0 21	1 6	0 45	1.9
Nitrite as N	0 050 mg/L	0 10	0 14	0 056	0 032 [2]	0.041 [2]	0.050
Nitrate/Nitrite as N	0 050 mg/L	0 53	1 1	0 26	1.6	0 49	1 9
Total Dissolved Solids	10 mg/L	76	96	340	180	130	150
Field Parameters (Water)							
Specific Conductance (EC)	0 00 umhos/cm	139	277	898	410	244	289
Dissolved Oxygen	0 00 mg/L	3.35	0 97	0.56	5 57	0 91	6 13

LAB #			A706824-01	A706824-02	A706824-03	A706824-04	A706824-05	A706824-06
MATRIX	Minimum		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
SAMPLE ID	Reporting Limit		MW-6	MW-7BR	MW-8B	MW-9B	MW-10B	MW-11B
Field Parameters (continued)								
pH		pH Units	5 64	9.43	6 52	7.20	7.10	6.81
Temperature	0.00	°C	23.2	24 65	26 16	24 46	24 10	23.92
Turbidity	0.00	NTU	8.56	9 00	1.62	14.6	1.95	18.2
Depth to Water		Ft	26.26	38 77	43 96	45 59	45.17	41.65

LAB #		A706824-07	A706824-08	-	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	-	-	-	-
SAMPLE ID	Reporting Limit	POND	Trip Blank	-	-	-	-

Volatile Organic Compounds by GCMS (Water)

Chloromethane	1.0 ug/L	<0 37 [8]	<0.37 [8]	-	-	-	-
Vinyl chloride	1.0 ug/L	<0.91 [8]	<0.91 [8]	-	-	-	-
Bromomethane	1.0 ug/L	<0 68 [8]	<0 68 [8]	-	-	-	-
Chloroethane	1.0 ug/L	<0.54 [8]	<0 54 [8]	-	-	-	-
Trichlorofluoromethane	1 0 ug/L	<0 52 [8]	<0.52 [8]	-	-	-	-
Acetone	5 0 ug/L	4.6 [2]	<0.74 [8]	-	-	-	-
1,1-Dichloroethene	1 0 ug/L	<0 46 [8]	<0.46 [8]	-	-	-	-
Iodomethane	3.0 ug/L	<0 98 [8]	<0.98 [8]	-	-	-	-
Carbon disulfide	5 0 ug/L	<0 50 [8]	<0.50 [8]	-	-	-	-
Methylene chloride	2 0 ug/L	<0 49 [8]	<0 49 [8]	-	-	-	-
Acrylonitrile	5 0 ug/L	<3 5 [8]	<3 5 [8]	-	-	-	-
trans-1,2-Dichloroethene	1.0 ug/L	<0.58 [8]	<0 58 [8]	-	-	-	-
cis-1,2-Dichloroethene	1.0 ug/L	<0.34 [8]	<0 34 [8]	-	-	-	-
1,1-Dichloroethane	1.0 ug/L	<0.35 [8]	<0 35 [8]	-	-	-	-
Vinyl acetate	1.0 ug/L	<0.42 [7] [8]	<0 42 [7] [8]	-	-	-	-
2-Butanone	5.0 ug/L	<2 5 [8]	<2 5 [8]	-	-	-	-
Chloroform	1 0 ug/L	<0 36 [8]	<0 36 [8]	-	-	-	-
Bromochloromethane	1 0 ug/L	<0 33 [8]	<0.33 [8]	-	-	-	-
1,1,1-Trichloroethane	1 0 ug/L	<0 50 [8]	<0 50 [8]	-	-	-	-
Carbon tetrachloride	1 0 ug/L	<0 47 [8]	<0 47 [8]	-	-	-	-
1,2-Dichloroethane	1 0 ug/L	<0 39 [8]	<0 39 [8]	-	-	-	-
Benzene	1 0 ug/L	<0 34 [8]	<0.34 [8]	-	-	-	-
Trichloroethene	1.0 ug/L	<0 30 [8]	<0 30 [8]	-	-	-	-
1,2-Dichloropropane	1.0 ug/L	<0.33 [8]	<0.33 [8]	-	-	-	-
Bromodichloromethane	1 0 ug/L	<0 22 [8]	<0 22 [8]	-	-	-	-
Dibromomethane	1.0 ug/L	<0.52 [8]	<0 52 [8]	-	-	-	-
4-Methyl-2-pentanone	5.0 ug/L	<0.97 [8]	<0.97 [8]	-	-	-	-
2-Hexanone	5.0 ug/L	<0 75 [8]	<0.75 [8]	-	-	-	-
cis-1,3-Dichloropropene	1 0 ug/L	<0 20 [8]	<0 20 [8]	-	-	-	-
Toluene	1 0 ug/L	<0 38 [8]	<0 38 [8]	-	-	-	-
trans-1,3-Dichloropropene	1 0 ug/L	<0 20 [8]	<0.20 [8]	-	-	-	-
1,1,2-Trichloroethane	1 0 ug/L	<0 33 [8]	<0 33 [8]	-	-	-	-
Tetrachloroethene	1.0 ug/L	<0 47 [8]	<0 47 [8]	-	-	-	-
Dibromochloromethane	1 0 ug/L	<0 23 [8]	<0 23 [8]	-	-	-	-
Chlorobenzene	1.0 ug/L	<0.27 [8]	<0.27 [8]	-	-	-	-
1,1,1,2-Tetrachloroethane	1.0 ug/L	<0.45 [8]	<0.45 [8]	-	-	-	-
Ethylbenzene	1 0 ug/L	<0 36 [8]	<0 36 [8]	-	-	-	-
m,p-Xylenes	1.0 ug/L	<0.52 [8]	<0.52 [8]	-	-	-	-
o-Xylene	1.0 ug/L	<0.35 [8]	<0.35 [8]	-	-	-	-
Bromoform	1 0 ug/L	<0 33 [8]	<0 33 [8]	-	-	-	-
Styrene	1.0 ug/L	<0.23 [8]	<0 23 [8]	-	-	-	-
1,2,3-Trichloropropane	1 0 ug/L	<0 36 [8]	<0 36 [8]	-	-	-	-
1,1,2,2-Tetrachloroethane	1.0 ug/L	<0.22 [8]	<0 22 [8]	-	-	-	-
trans-1,4-Dichloro-2-butene	1.0 ug/L	<0.54 [8]	<0.54 [8]	-	-	-	-
1,4-Dichlorobenzene	1 0 ug/L	<0 33 [8]	<0 33 [8]	-	-	-	-

LAB #			A706824-07	A706824-08	-	-	-	-
MATRIX	Minimum		Ground Water	Ground Water	-	-	-	-
SAMPLE ID	Reporting Limit		POND	Trip Blank	-	-	-	-
Volatile Organic Compounds by GCMS (continued)								
1,2-Dichlorobenzene	1.0	ug/L	<0.33 [8]	<0 33 [8]	-	-	-	-
Xylenes (Total)	1.0	ug/L	<0.52 [8]	<0.52 [8]	-	-	-	-
Dibromofluoromethane	141	[surr]	130%	130%	-	-	-	-
Toluene-d8	134	[surr]	100%	100%	-	-	-	-
4-Bromofluorobenzene	147	[surr]	100%	100%	-	-	-	-
Semivolatile Organic Compounds by GC (Water)								
1,2-Dibromoethane [2C]	0 02	ug/L	<0.010 [8]	-	-	-	-	-
1,2-Dibromo-3-chloropropane [2C]	0 02	ug/L	<0.008 [8]	-	-	-	-	-
1,3-Dichlorobenzene [2C]	150	[surr]	110%	-	-	-	-	-
Metals by EPA 6000/7000 Series Methods (Water)								
Antimony	5 00	ug/L	1.09 [2]	-	-	-	-	-
Arsenic	10 0	ug/L	1 54 [2]	-	-	-	-	-
Barium	100	ug/L	10.6 [2]	-	-	-	-	-
Beryllium	1 00	ug/L	<0.730 [8]	-	-	-	-	-
Cadmium	3.00	ug/L	<0 820 [8]	-	-	-	-	-
Chromium	10 0	ug/L	<0 690 [8]	-	-	-	-	-
Cobalt	10 0	ug/L	<0.500 [8]	-	-	-	-	-
Copper	10 0	ug/L	6.05 [2]	-	-	-	-	-
Iron	50 0	ug/L	33.5 [2]	-	-	-	-	-
Lead	5 00	ug/L	<0 500 [8]	-	-	-	-	-
Mercury	0.20	ug/L	<0.009 [8]	-	-	-	-	-
Nickel	10 0	ug/L	3.22 [2]	-	-	-	-	-
Selenium	10 0	ug/L	<3.10 [8]	-	-	-	-	-
Silver	1 00	ug/L	<0.072 [8]	-	-	-	-	-
Sodium	1 00	mg/L	3 87	-	-	-	-	-
Thallium	1 00	ug/L	<0 200 [8]	-	-	-	-	-
Vanadium	10 0	ug/L	4 04 [2]	-	-	-	-	-
Zinc	50 0	ug/L	<6 60 [8]	-	-	-	-	-
Classical Chemistry Parameters (Water)								
Ammonia as N	0 020	mg/L	0.67	-	-	-	-	-
Chloride	1.0	mg/L	5.0 [1] [3]	-	-	-	-	-
Nitrate as N	0.050	mg/L	0 37	-	-	-	-	-
Nitrite as N	0.050	mg/L	0.12	-	-	-	-	-
Nitrate/Nitrite as N	0 050	mg/L	0 49	-	-	-	-	-
Total Dissolved Solids	10	mg/L	610	-	-	-	-	-
Field Parameters (Water)								
Specific Conductance (EC)	0 00	umhos/cm	834	-	-	-	-	-
Dissolved Oxygen	0 00	mg/L	6.87	-	-	-	-	-
pH		pH Units	6.86	-	-	-	-	-
Temperature	0.00	°C	15 28	-	-	-	-	-
Turbidity	0 00	NTU	6 10	-	-	-	-	-

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7L26015 - EPA 5030B_MS										
Blank (7L26015-BLK1)				Prepared 12/26/2007 11 51 Analyzed 12/26/2007 13 01						
Chloromethane	0 37 U	1 0	ug/L							U
Vinyl chloride	0 91 U	1 0	ug/L							U
Bromomethane	0 68 U	1 0	ug/L							U
Chloroethane	0 54 U	1 0	ug/L							U
Trichlorofluoromethane	0 52 U	1 0	ug/L							U
Acetone	0 74 U	5 0	ug/L							U
1,1-Dichloroethene	0 46 U	1 0	ug/L							U
Iodomethane	0 98 U	3 0	ug/L							U
Carbon disulfide	0 50 U	5 0	ug/L							U
Methylene chloride	0 49 U	2 0	ug/L							U
Acrylonitrile	3 5 U	5 0	ug/L							U
trans-1,2-Dichloroethene	0 58 U	1 0	ug/L							U
cis-1,2-Dichloroethene	0 34 U	1 0	ug/L							U
1,1-Dichloroethane	0 35 U	1 0	ug/L							U
Vinyl acetate	0 42 U	1 0	ug/L							QV-01,
2-Butanone	2 5 U	5 0	ug/L							U
Chloroform	0 36 U	1 0	ug/L							U
Bromochloromethane	0 33 U	1 0	ug/L							U
1,1,1-Trichloroethane	0 50 U	1 0	ug/L							U
Carbon tetrachloride	0 47 U	1 0	ug/L							U
1,2-Dichloroethane	0 39 U	1 0	ug/L							U
Benzene	0 34 U	1 0	ug/L							U
Trichloroethene	0 30 U	1 0	ug/L							U
1,2-Dichloropropane	0 33 U	1 0	ug/L							U
Bromodichloromethane	0 22 U	1 0	ug/L							U
Dibromomethane	0 52 U	1 0	ug/L							U
4-Methyl-2-pentanone	0 97 U	5 0	ug/L							U
2-Hexanone	0 75 U	5 0	ug/L							U
cis-1,3-Dichloropropene	0 20 U	1 0	ug/L							U
Toluene	0 38 U	1 0	ug/L							U
trans-1,3-Dichloropropene	0 20 U	1 0	ug/L							U
1,1,2-Trichloroethane	0 33 U	1 0	ug/L							U
Tetrachloroethene	0 47 U	1 0	ug/L							U
Dibromochloromethane	0 23 U	1 0	ug/L							U
Chlorobenzene	0 27 U	1 0	ug/L							U
1,1,1,2-Tetrachloroethane	0 45 U	1 0	ug/L							U
Ethylbenzene	0 36 U	1 0	ug/L							U
m,p-Xylenes	0 52 U	1 0	ug/L							U
o-Xylene	0 35 U	1 0	ug/L							U
Bromoform	0 33 U	1 0	ug/L							U
Styrene	0 23 U	1 0	ug/L							U
1,2,3-Trichloropropane	0 36 U	1 0	ug/L							U
1,1,2,2-Tetrachloroethane	0 22 U	1 0	ug/L							U
trans-1,4-Dichloro-2-butene	0 54 U	1 0	ug/L							U
1,4-Dichlorobenzene	0 33 U	1 0	ug/L							U
1,2-Dichlorobenzene	0 33 U	1 0	ug/L							U

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7L26015 - EPA 5030B_MS										
Blank (7L26015-BLK1) Continued				Prepared 12/26/2007 11 51 Analyzed 12/26/2007 13 01						
Xylenes (Total)	0 52 U	1 0	ug/L							U
Surrogate Dibromofluoromethane	*62*		*ug/L*	*50 0*		*124*	*40-141*			
Surrogate Toluene-d8	*52*		*ug/L*	*50 0*		*103*	*64-134*			
Surrogate 4-Bromofluorobenzene	*50*		*ug/L*	*50 0*		*100*	*52-147*			
LCS (7L26015-BS1)				Prepared 12/26/2007 11 51 Analyzed 12/26/2007 12 31						
1,1-Dichloroethene	21	1 0	ug/L	20 0		106	57-142			
Benzene	20	1 0	ug/L	20 0		100	55-131			
Trichloroethene	23	1 0	ug/L	20 0		113	52-135			
Toluene	21	1 0	ug/L	20 0		104	58-148			
Chlorobenzene	22	1 0	ug/L	20 0		108	57-140			
Surrogate Dibromofluoromethane	*47*		*ug/L*	*50 0*		*93*	*40-141*			
Surrogate Toluene-d8	*51*		*ug/L*	*50 0*		*101*	*64-134*			
Surrogate 4-Bromofluorobenzene	*48*		*ug/L*	*50 0*		*95*	*52-147*			
Matrix Spike (7L26015-MS1)	**Source: A706824-01**			Prepared 12/26/2007 11 51 Analyzed 12/26/2007 13 30						
1,1-Dichloroethene	23	1 0	ug/L	20 0	0 46 U	115	57-142			
Benzene	19	1 0	ug/L	20 0	0 34 U	97	55-131			
Trichloroethene	17	1 0	ug/L	20 0	0 30 U	86	52-135			
Toluene	19	1 0	ug/L	20 0	0 38 U	95	58-148			
Chlorobenzene	20	1 0	ug/L	20 0	0 27 U	101	57-140			
Surrogate Dibromofluoromethane	*41*		*ug/L*	*50 0*		*82*	*40-141*			
Surrogate Toluene-d8	*42*		*ug/L*	*50 0*		*84*	*64-134*			
Surrogate 4-Bromofluorobenzene	*46*		*ug/L*	*50 0*		*92*	*52-147*			
Matrix Spike Dup (7L26015-MSD1)	**Source: A706824-01**			Prepared 12/26/2007 11 51 Analyzed 12/26/2007 13 59						
1,1-Dichloroethene	21	1 0	ug/L	20 0	0 46 U	107	57-142	7	16	
Benzene	24	1 0	ug/L	20 0	0 34 U	118	55-131	19	12	QR-02
Trichloroethene	22	1 0	ug/L	20 0	0 30 U	109	52-135	24	40	
Toluene	22	1 0	ug/L	20 0	0 38 U	111	58-148	16	21	
Chlorobenzene	23	1 0	ug/L	20 0	0 27 U	114	57-140	13	20	
Surrogate Dibromofluoromethane	*48*		*ug/L*	*50 0*		*96*	*40-141*			
Surrogate Toluene-d8	*52*		*ug/L*	*50 0*		*104*	*64-134*			
Surrogate 4-Bromofluorobenzene	*54*		*ug/L*	*50 0*		*108*	*52-147*			
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 7L20002 - EPA 3510C_MS										
Blank (7L20002-BLK1)				Prepared 12/20/2007 07 26 Analyzed 12/24/2007 12 19						
Indeno(1,2,3-cd)pyrene	0 020 U	0 10	ug/L							U
Dibenzo(a,h)anthracene	0 020 U	0 10	ug/L							U
Surrogate p-Terphenyl	*5 8*		*ug/L*	*5 00*		*116*	*39-148*			
LCS (7L20002-BS1)				Prepared 12/20/2007 07 26 Analyzed 12/24/2007 12 37						
Naphthalene	2 0	0 10	ug/L	2 00		102	41-105			
Acenaphthene	1 9	0 10	ug/L	2 00		95	53-107			
Benzo(a)pyrene	1 6	0 10	ug/L	2 00		82	47-119			
Benzo(g,h,i)perylene	0 60	0 10	ug/L	2 00		30	29-105			
Surrogate p-Terphenyl	*4 9*		*ug/L*	*5 00*		*97*	*39-148*			
Matrix Spike (7L20002-MS1)	**Source: A707246-06**			Prepared 12/20/2007 07 26 Analyzed 12/24/2007 12 55						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 7L20002 - EPA 3510C_MS										
Matrix Spike (7L20002-MS1) Continued		**Source: A707246-06**		Prepared	12/20/2007 07 26 Analyzed		12/24/2007 12 55			
Naphthalene	2 0	0 10	ug/L	2 00	0 17	93	41-105			
Acenaphthene	1 8	0 10	ug/L	2 00	0 047 U	91	53-107			
Benzo(a)pyrene	1 7	0 10	ug/L	2 00	0 020 U	86	47-119			
Benzo(g,h,i)perylene	0 92	0 10	ug/L	2 00	0 020 U	46	29-105			
Surrogate p-Terphenyl	*4 9*		*ug/L*	*5 00*		*98*	*39-148*			
Matrix Spike Dup (7L20002-MSD1)		**Source: A707246-06**		Prepared	12/20/2007 07 26 Analyzed		12/24/2007 13 12			
Naphthalene	2 2	0 10	ug/L	2 00	0 17	103	41-105	10	28	
Acenaphthene	2 1	0 10	ug/L	2 00	0 047 U	105	53-107	14	27	
Benzo(a)pyrene	1 9	0 10	ug/L	2 00	0 020 U	93	47-119	7	24	
Benzo(g,h,i)perylene	1 2	0 10	ug/L	2 00	0 020 U	59	29-105	24	23	QM-07,
Surrogate p-Terphenyl	*5 1*		*ug/L*	*5 00*		*102*	*39-148*			
Semivolatile Organic Compounds by GC - Quality Control										
Batch 7L26018 - EPA 504/8011										
Blank (7L26018-BLK1)				Prepared	12/26/2007 12 56 Analyzed		12/26/2007 20 01			
1,2-Dibromoethane	0 010 U	0 020	ug/L							U
1,2-Dibromo-3-chloropropane	0 008 U	0 020	ug/L							U
Surrogate 1,3-Dichlorobenzene	*0 26*		*ug/L*	*0 250*		*104*	*83-150*			
LCS (7L26018-BS1)				Prepared	12/26/2007 12 56 Analyzed		12/26/2007 20 12			
1,2-Dibromoethane	0 44	0 020	ug/L	0 250		176	49-154			
1,2-Dibromo-3-chloropropane	0 65	0 020	ug/L	0 250		261	49-140			
Surrogate 1,3-Dichlorobenzene	*0 30*		*ug/L*	*0 250*		*118*	*83-150*			
Matrix Spike (7L26018-MS1)		**Source: A707367-02**		Prepared	12/26/2007 12 56 Analyzed		12/26/2007 21 34			
1,2-Dibromoethane	0 46	0 020	ug/L	0 250	0 010 U	183	49-154			
1,2-Dibromo-3-chloropropane	0 59	0 020	ug/L	0 250	0 008 U	235	49-140			
Surrogate 1,3-Dichlorobenzene	*0 29*		*ug/L*	*0 250*		*115*	*83-150*			
Matrix Spike Dup (7L26018-MSD1)		**Source: A707367-02**		Prepared	12/26/2007 12 56 Analyzed		12/26/2007 21 45			
1,2-Dibromoethane	0 46	0 020	ug/L	0 250	0 010 U	182	49-154	0 4	11	
1,2-Dibromo-3-chloropropane	0 58	0 020	ug/L	0 250	0 008 U	231	49-140	2	15	
Surrogate 1,3-Dichlorobenzene	*0 28*		*ug/L*	*0 250*		*114*	*83-150*			
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7L19014 - EPA 7470A										
Blank (7L19014-BLK1)				Prepared	12/20/2007 08 57 Analyzed		12/21/2007 07 07			
Mercury	0 009 U	0 20	ug/L							U
LCS (7L19014-BS1)				Prepared	12/20/2007 08 57 Analyzed		12/21/2007 07 10			
Mercury	5 05	0 20	ug/L	5 00		101	90-110			
Matrix Spike (7L19014-MS1)		**Source: A706824-01**		Prepared	12/20/2007 08 57 Analyzed		12/21/2007 07 16			
Mercury	5 28	0 20	ug/L	5 00	0 009 U	106	90-110			
Matrix Spike Dup (7L19014-MSD1)		**Source: A706824-01**		Prepared	12/20/2007 08 57 Analyzed		12/21/2007 07 19			
Mercury	5 28	0 20	ug/L	5 00	0 009 U	106	90-110	0 09	10	
Post Spike (7L19014-PS1)		**Source: A706824-01**		Prepared	12/20/2007 06 00 Analyzed		12/21/2007 07 23			
Mercury	5 72	0 20	ug/L	5 61	-0 02	102	0-200			
Batch 7L21010 - EPA 3005A										

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7L21010 - EPA 3005A

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Blank (7L21010-BLK1)				Prepared 12/21/2007 12 31 Analyzed 12/27/2007 20 28						
Antimony	0 820 U	5 00	ug/L							U
Arsenic	1 10 U	10 0	ug/L							U
Barium	5 00 U	100	ug/L							U
Beryllium	0 730 U	1 00	ug/L							U
Cadmium	0 820 U	3 00	ug/L							U
Chromium	0 690 U	10 0	ug/L							U
Cobalt	0 500 U	10 0	ug/L							U
Copper	0 500 U	10 0	ug/L							U
Iron	2 80 U	50 0	ug/L							U
Lead	0 500 U	5 00	ug/L							U
Nickel	0 500 U	10 0	ug/L							U
Selenium	3 10 U	10 0	ug/L							U
Silver	0 072 U	1 00	ug/L							U
Sodium	0 100 U	1 00	mg/L							U
Thallium	0 200 U	1 00	ug/L							U
Vanadium	0 500 U	10 0	ug/L							U
Zinc	6 60 U	50 0	ug/L							U
LCS (7L21010-BS1)				Prepared 12/21/2007 12 31 Analyzed 12/27/2007 20 35						
Antimony	49 9	5 00	ug/L	50 0		100	85-115			
Arsenic	473	10 0	ug/L	500		95	85-115			
Barium	503	100	ug/L	500		101	85-115			
Beryllium	45 2	1 00	ug/L	50 0		90	85-115			
Cadmium	49 5	3 00	ug/L	50 0		99	85-115			
Chromium	489	10 0	ug/L	500		98	85-115			
Cobalt	501	10 0	ug/L	500		100	85-115			
Copper	495	10 0	ug/L	500		99	85-115			
Iron	959	50 0	ug/L	1000		96	85-115			
Lead	494	5 00	ug/L	500		99	85-115			
Nickel	494	10 0	ug/L	500		99	85-115			
Selenium	468	10 0	ug/L	500		94	85-115			
Silver	50 9	1 00	ug/L	50 0		102	85-115			
Sodium	23 2	1 00	mg/L	25 0		93	85-115			
Thallium	49 3	1 00	ug/L	50 0		99	85-115			
Vanadium	505	10 0	ug/L	500		101	85-115			
Zinc	489	50 0	ug/L	500		98	85-115			
Matrix Spike (7L21010-MS1)	**Source: A706761-03**			Prepared 12/21/2007 12 31 Analyzed 12/27/2007 20 52						
Antimony	51 4	5 00	ug/L	50 0	1 01	101	85-115			
Arsenic	479	10 0	ug/L	500	1 10 U	96	85-115			
Barium	587	100	ug/L	500	70 1	103	85-115			
Beryllium	47 4	1 00	ug/L	50 0	0 730 U	95	85-115			
Cadmium	50 2	3 00	ug/L	50 0	0 820 U	100	85-115			
Chromium	489	10 0	ug/L	500	0 690 U	98	85-115			
Cobalt	504	10 0	ug/L	500	0 500 U	101	85-115			
Copper	501	10 0	ug/L	500	0 818	100	85-115			
Iron	1150	50 0	ug/L	1000	147	100	85-115			
Lead	495	5 00	ug/L	500	0 500 U	99	85-115			
Nickel	499	10 0	ug/L	500	1 11	100	85-115			
Selenium	475	10 0	ug/L	500	3 10 U	95	85-115			
Silver	51 1	1 00	ug/L	50 0	0 072 U	102	85-115			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7L21010 - EPA 3005A

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Matrix Spike (7L21010-MS1) Continued		**Source: A706761-03**		Prepared 12/21/2007 12 31 Analyzed 12/27/2007 20.52						
Sodium	47 8	1 00	mg/L	25 0	22 5	101	85-115			
Thallium	49 6	1 00	ug/L	50 0	0 324	99	85-115			
Vanadium	515	10 0	ug/L	500	0 731	103	85-115			
Zinc	490	50 0	ug/L	500	6 60 U	98	85-115			
Matrix Spike Dup (7L21010-MSD1)		**Source: A706761-03**		Prepared 12/21/2007 12 31 Analyzed 12/27/2007 21 00						
Antimony	51 5	5 00	ug/L	50 0	1 01	101	85-115	0 1	20	
Arsenic	479	10 0	ug/L	500	1 10 U	96	85-115	0 1	20	
Barium	585	100	ug/L	500	70 1	103	85-115	0 2	20	
Beryllium	48 0	1 00	ug/L	50 0	0 730 U	96	85-115	1	20	
Cadmium	49 7	3 00	ug/L	50 0	0 820 U	99	85-115	0 9	20	
Chromium	496	10 0	ug/L	500	0 690 U	99	85-115	1	20	
Cobalt	502	10 0	ug/L	500	0 500 U	100	85-115	0 4	20	
Copper	496	10 0	ug/L	500	0 818	99	85-115	1	20	
Iron	1160	50 0	ug/L	1000	147	101	85-115	1	20	
Lead	497	5 00	ug/L	500	0 500 U	99	85-115	0 5	20	
Nickel	494	10 0	ug/L	500	1 11	99	85-115	0 9	20	
Selenium	456	10 0	ug/L	500	3 10 U	91	85-115	4	20	
Silver	51 9	1 00	ug/L	50 0	0 072 U	104	85-115	2	20	
Sodium	46 9	1 00	mg/L	25 0	22 5	98	85-115	2	20	
Thallium	50 9	1 00	ug/L	50 0	0 324	101	85-115	3	20	
Vanadium	512	10 0	ug/L	500	0 731	102	85-115	0 6	20	
Zinc	486	50 0	ug/L	500	6 60 U	97	85-115	0 8	20	
Post Spike (7L21010-PS1)		**Source: A706761-03**		Prepared 12/27/2007 12 00 Analyzed 12/27/2007 21 08						
Antimony	50 1	5 00	ug/L	50 0	1 01	98	75-125			
Arsenic	462	10 0	ug/L	500	1 10 U	92	75-125			
Barium	576	100	ug/L	500	70 1	101	75-125			
Beryllium	46 5	1 00	ug/L	50 0	0 730 U	93	75-125			
Cadmium	48 1	3 00	ug/L	50 0	0 820 U	96	75-125			
Chromium	481	10 0	ug/L	500	0 690 U	96	75-125			
Cobalt	502	10 0	ug/L	500	0 500 U	100	75-125			
Copper	489	10 0	ug/L	500	0 818	98	75-125			
Iron	1150	50 0	ug/L	1000	147	100	75-125			
Lead	490	5 00	ug/L	500	0 500 U	98	75-125			
Nickel	495	10 0	ug/L	500	1 11	99	75-125			
Selenium	467	10 0	ug/L	500	3 10 U	93	75-125			
Silver	49 0	1 00	ug/L	50 0	0 072 U	98	75-125			
Sodium	47 3	1 00	mg/L	25 0	22 5	99	75-125			
Thallium	49 6	1 00	ug/L	50 0	0 324	99	75-125			
Vanadium	505	10 0	ug/L	500	0 731	101	75-125			
Zinc	480	50 0	ug/L	500	6 60 U	96	75-125			
Batch AA02567 - 7L17017										
Serial Dilution (AA02567-SRD1)		**Source: A706824-01**		Prepared 12/20/2007 00 00 Analyzed 12/21/2007 07 26						
Mercury	0 06 U	1 20	ug/L		0 06 U				200	U
Serial Dilution (AA02567-SRD2)		**Source: A705481-02**		Prepared 12/20/2007 00 00 Analyzed 12/21/2007 08 31						
Mercury	0 06 U	1 20	ug/L						200	U
Batch AA02606 - 7L20020										
Serial Dilution (AA02606-SRD1)		**Source: A707171-01**		Prepared 12/26/2007 00 00 Analyzed 12/27/2007 15 20						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch AA02606 - 7L20020										
Serial Dilution (AA02606-SRD1) Continued		**Source: A707171-01**		Prepared 12/26/2007 00 00 Analyzed 12/27/2007 15 20						
Antimony	4 10 U	25 0	ug/L						10	U
Arsenic	5 50 U	50 0	ug/L						10	U
Barium	25 0 U	500	ug/L						10	U
Beryllium	3 65 U	5 00	ug/L						10	U
Cadmium	4 10 U	15 0	ug/L						10	U
Chromium	3 45 U	50 0	ug/L						10	U
Cobalt	2 50 U	50 0	ug/L						10	U
Copper	2 50 U	50 0	ug/L						10	U
Iron	35 7	250	ug/L						10	
Lead	2 50 U	25 0	ug/L						10	U
Nickel	2 50 U	50 0	ug/L						10	U
Selenium	15 5 U	50 0	ug/L						10	U
Silver	0 360 U	5 00	ug/L						10	U
Sodium	0 554 U	5 00	ug/L						10	U
Thallium	1 00 U	5 00	ug/L						10	U
Vanadium	2 50 U	50 0	ug/L						10	U
Zinc	33 0 U	250	ug/L						10	U
Serial Dilution (AA02606-SRD2)		**Source: A706761-03**		Prepared 12/26/2007 00 00 Analyzed 12/27/2007 21 17						
Antimony	5 32	25 0	ug/L		1 01				10	
Arsenic	5 50 U	50 0	ug/L		5 50 U				10	U
Barium	30 0	500	ug/L		70 1			80	10	
Beryllium	3 65 U	5 00	ug/L		3 65 U				10	U
Cadmium	4 10 U	15 0	ug/L		4 10 U				10	U
Chromium	3 45 U	50 0	ug/L		3 45 U				10	U
Cobalt	2 50 U	50 0	ug/L		2 50 U				10	U
Copper	2 50 U	50 0	ug/L		0 818				10	U
Iron	38 1	250	ug/L		147			118	10	
Lead	2 50 U	25 0	ug/L		2 50 U				10	U
Nickel	2 50 U	50 0	ug/L		1 11				10	U
Selenium	15 5 U	50 0	ug/L		15 5 U				10	U
Silver	0 360 U	5 00	ug/L		0 360 U				10	U
Sodium	21 3	5 00	ug/L		22 5			5	10	
Thallium	1 00 U	5 00	ug/L		0 324				10	U
Vanadium	2 50 U	50 0	ug/L		0 731				10	U
Zinc	33 0 U	250	ug/L		33 0 U				10	U
Serial Dilution (AA02606-SRD3)		**Source: A707318-01**		Prepared 12/26/2007 00 00 Analyzed 12/28/2007 02 39						
Antimony	1 64 U	10 0	ug/L						10	U
Arsenic	2 20 U	20 0	ug/L						10	U
Barium	10 0 U	200	ug/L						10	U
Beryllium	1 46 U	2 00	ug/L						10	U
Cadmium	1 64 U	6 00	ug/L						10	U
Chromium	2 42	20 0	ug/L						10	
Cobalt	1 00 U	20 0	ug/L						10	U
Copper	1 00 U	20 0	ug/L						10	U
Iron	3570	100	ug/L						10	
Lead	1 93	10 0	ug/L						10	
Nickel	1 00 U	20 0	ug/L						10	U
Selenium	6 20 U	20 0	ug/L						10	U
Silver	0 144 U	2 00	ug/L						10	U

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch AA02606 - 7L20020										
Serial Dilution (AA02606-SRD3) Continued		**Source: A707318-01**		Prepared 12/26/2007 00 00 Analyzed 12/28/2007 02 39						
Sodium	0 200 U	2 00	ug/L						10	U
Thallium	0 544	2 00	ug/L						10	
Vanadium	1 22	20 0	ug/L						10	
Zinc	13 2 U	100	ug/L						10	U
Classical Chemistry Parameters - Quality Control										
Batch 7L18039 - NO PREP										
Blank (7L18039-BLK1)				Prepared 12/18/2007 19 41 Analyzed 12/18/2007 23 22						
Nitrate as N	0 008 U	0 050	mg/L							U
Nitrite as N	0 007 U	0 050	mg/L							U
Chloride	**0.43 I**	1 0	mg/L							J
LCS (7L18039-BS1)				Prepared 12/18/2007 19 41 Analyzed 12/18/2007 23 37						
Nitrate as N	5 0	0 050	mg/L	5 00		100	90-112			
Nitrite as N	2 4	0 050	mg/L	2 50		96	81-116			
Chloride	260 V	1 0	mg/L	250		105	85-118			B
Matrix Spike (7L18039-MS1)		**Source: A706823-12**		Prepared 12/18/2007 19 41 Analyzed 12/18/2007 23 53						
Nitrate as N	5 1	0 050	mg/L	5 10		101	90-112			
Nitrite as N	2 5	0 050	mg/L	2 55		96	81-116			
Chloride	290 V	1 0	mg/L	255		113	85-118			B
Matrix Spike Dup (7L18039-MSD1)		**Source: A706823-12**		Prepared 12/18/2007 19 41 Analyzed 12/19/2007 00 09						
Nitrate as N	4 9	0 050	mg/L	5 10		97	90-112	4	16	
Nitrite as N	2 5	0 050	mg/L	2 55		99	81-116	2	19	
Chloride	280 V	1 0	mg/L	255		111	85-118	3	10	B
Batch 7L20015 - NO PREP										
Blank (7L20015-BLK1)				Prepared 12/20/2007 10 38 Analyzed 12/20/2007 15 33						
Ammonia as N	0 008 U	0 020	mg/L							U
LCS (7L20015-BS1)				Prepared 12/20/2007 10 38 Analyzed 12/20/2007 15 34						
Ammonia as N	1 0	0 020	mg/L	1 00		103	90-110			
Matrix Spike (7L20015-MS1)		**Source: A705481-01**		Prepared 12/20/2007 10 38 Analyzed 12/20/2007 15 36						
Ammonia as N	0 92	0 020	mg/L	1 00	0 008 U	92	90-110			
Matrix Spike Dup (7L20015-MSD1)		**Source: A705481-01**		Prepared 12/20/2007 10 38 Analyzed 12/20/2007 15 38						
Ammonia as N	0 92	0 020	mg/L	1 00	0 008 U	92	90-110	0 2	10	
Batch 7L20018 - NO PREP										
Blank (7L20018-BLK1)				Prepared 12/20/2007 17 20 Analyzed 12/22/2007 04 20						
Total Dissolved Solids	10 U	10	mg/L							U
LCS (7L20018-BS1)				Prepared 12/20/2007 17 20 Analyzed 12/22/2007 04 20						
Total Dissolved Solids	290	10	mg/L	300		98	87-114			
Duplicate (7L20018-DUP1)		**Source: A706824-03**		Prepared 12/20/2007 17 20 Analyzed 12/22/2007 04 20						
Total Dissolved Solids	350	10	mg/L		340			1	10	

Special Notes

[1] V = Analyte is found in the associated blank as well as in the sample (CLP B-flag).

[2] I = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

[3] QV- = The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact on the deviation.

[4] QM- = The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

[5] QM- = Precision between duplicate matrix spikes of the same sample was outside acceptance limits.

[6] QR- = The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

[7] QV- = The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

[8] U = Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8011	Water	NELAC	E83182
8260B Appendix 1 FL	Water	NELAC	E83182
8270C PAH SIM	Water	NELAC	E83182
Ammonia 350 1	Water	NELAC	E83182
Antimony Total EPA 6020	Water	NELAC	E83182
Arsenic Total EPA 6020	Water	NELAC	E83182
Barium Total EPA 6020	Water	NELAC	E83182
Beryllium Total EPA 6020	Water	NELAC	E83182
Cadmium Total EPA 6020	Water	NELAC	E83182
Chloride 300	Water	NELAC	E83182
Chromium Total EPA 6020	Water	NELAC	E83182
Cobalt Total EPA 6020	Water	NELAC	E83182
Copper Total EPA 6020	Water	NELAC	E83182
Iron Total EPA 6020	Water	NELAC	E83182
Lead Total EPA 6020	Water	NELAC	E83182
Mercury Total EPA 7000	Water	NELAC	E83182
Nickel Total EPA 6020	Water	NELAC	E83182
Nitrate as N 300	Water	NELAC	E83182
Nitrite as N 300	Water	NELAC	E83182
Selenium Total EPA 6020	Water	NELAC	E83182
Silver Total EPA 6020	Water	NELAC	E83182
Sodium Total EPA 6020	Water	NELAC	E83182
TDS 160 1	Water	NELAC	E83182
Thallium Total EPA 6020	Water	NELAC	E83182
Vanadium Total EPA 6020	Water	NELAC	E83182
Zinc Total EPA 6020	Water	NELAC	E83182

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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name: HDR, Inc.
Address: 4140 NW 37th Place Suite A
City/ST/Zip: Gainesville, FL 32606
Tel: 352-642-1103
Fax:
Sampler(s) Name, Affiliation (Print): Dale Clayton
Sampler(s) Signature:

Project Number: HDD02
Project Name/Desc: Enterprise Class III LF
PO # / Billing Info:
Reporting Contact:
Billing Contact:
Facility # (if required):

Requested Turnaround Times
Note: Rush requests subject to acceptance by the facility
X Standard
__ Expedited
Due __/__/__

Lab Workorder: A706824

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260 - App I	Soil	Chloride, Nitrate/ Nitrite, TDS	Ammonia	Metals (See Summary Form)	8270 - App II					Sample Comments
						Preservation	IH	I	I	I.S	IN	I					
	MW-6	12/18/07	1516	G	GW	8	X	X	X	X	X						
	MW 7BR		1339	G	GW	8	X	X	X	X	X						
	MW-8B		1215	G	GW	8	X	X	X	X	X						
	MW-9B		1112	G	GW	8	X	X	X	X	X						
	MW-10B	12/17/07	1401	G	GW	8	X	X	X	X	X						
	MW-11B		1705	G	GW	9	X	X	X	X	X	X					
	Pond		1215	G	SW	8	X	X	X	X	X						

← Total # of Containers

Sample Kit Prepared By: LP Date/Time: 12/13/07 13:30
Relinquished By: Risa Ponti Date/Time: 12/13/07 13:30 Received By: Date/Time: 12/13/07 1330
Relinquished By: Date/Time: 12/18/07 1745 Received By: K. Carey Date/Time: 12/18/07 17:45
Relinquished By: Date/Time: Received By: Date/Time: 12/18/07 17:45
Comments:
Cooler #'s & Temps on Receipt: KC-120 1°C
Condition Upon Receipt: ✓ Acceptable __ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)
Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

DEP-SOP-001/
Form FD 9000-2-

GROUNDWATER SAMPLING LOG

SITE NAME: **Enterprise Road Landfill**
SITE LOCATION: **Dade City, FL**
WELL NO: **MW-11B**
SAMPLE ID: **MW-11B**
DATE: 2/17/02

PURGING DATA

WELL DIAMETER (inches): **2" PVC**
TUBING DIAMETER (inches): **3/8" PE**
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): ~41.56
PURGE PUMP TYPE OR BAILER: **ESP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable
= (**82.50'** feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) 1 Equip Vol = .02 gallons + (.006 gallons/foot X 52 feet) = .125 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~77'
FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~77'
PURGING INITIATED AT: 1532
PURGING ENDED AT: 1656
TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1650	16	16	.3	41.65	6.52	23.90	.290	6.12	17.9	Clear	None
1652	.6	16.6	.3	41.65	6.52	23.90	.291	6.17	15.2	Clear	None
1654	.6	17.2	.3	41.65	6.51	23.42	.289	6.23	13.2	Clear	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **H. L. Claytor, Colinas Group**
SAMPLER(S) SIGNATURES:
SAMPLING INITIATED AT: 1656
SAMPLING ENDED AT: 1705
PUMP OR TUBING DEPTH IN WELL (feet): ~77'
SAMPLE PUMP FLOW RATE (mL per minute): **VOC's <100 mL**
TUBING MATERIAL CODE: **PE**
FIELD DECONTAMINATION: [✓ Y] N
FIELD-FILTERED: Y [✓ N]
FILTER SIZE: ____ μm
Filtration Equipment Type:
DUPLICATE: Y [✓ N]

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-11B		PE	500 mL	None	None	—	App II ~~-8081/8082/0151/~~8270	ESP
"	3	CG	40 mL	HCl	None	—	8260 – App II	ESP
"	2	CG	40 mL	None	None	—	8011	ESP
"	1	PE	500 mL	None			Chloride, Nitrate Nitrite, TDS	ESP
"	1	PE	250 mL	H2SO4	None	—	Ammonia	ESP
"	1	PE	250 mL	HNO3	None	—	~~Sb, Tl~~	ESP
"	1	PE	250 mL	HNO3	None	—	Metals	ESP

REMARKS

1532 Inserted a 2" ESP and new 3/8" PE tubing to ~77' btoc and ~~began~~ began purging @ .07 gpm
1536 WL 41.60' @ .07 gpm, GW is extremely turbid (milky white).
1540 GW is still extremely turbid, increased flow to .25 gpm.
1543 Increased flow to .30 gpm, GW is still extremely turbid
1548 Reduced flow to .06 gpm, GW still extremely turbid Turbidity @ 2000
1556 Turbidity over 2000, will develop well for a while ~~[illegible]~~ ~~no sample @ very low flow rate~~ Increased flow to .3 gpm.

Notes 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

(over)

MATERIAL CODES. AG = Amber Glass; CG = Clear Glass, PE = Polyethylene, PP = Polypropylene; S = Silicone T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump RFPP = Reverse Flow Peristaltic Pump SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap, O = Other (Specify)

Notes: 1 The above do not constitute all the information required by Chapter 62-160, F.A.C.
2 STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3) pH: ± 0.2 units, Temperature ± 0.2 degrees C; Specific Conductance ± 5%; Dissolved Oxygen all readings ≤ 20% saturation (see Table FS 2200-2) optionally ± 0.2 mg/L or ± 10% (whichever is greater), Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)