



*Environmental Science
and Engineering*

City of Fort Wayne
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Fort Wayne, Indiana 46802

PRIVILEGED AND CONFIDENTIAL

GROUNDWATER INVESTIGATION REPORT

**FORMER OMNISOURCE CORPORATION SITE
1610 NORTH CALHOUN STREET
FORT WAYNE, ALLEN COUNTY, INDIANA**

AVANT Group
508 Incentive Drive
Fort Wayne, Indiana 46825
(260) 497-9620

November 14, 2007

Project 07-791-40

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INTRODUCTION

Background

AVANT Group (AVANT) was retained by the City of Fort Wayne, Division of Community Development to investigate the potential for dissolved-phase organic and inorganic chemical constituents in the groundwater beneath the former OmniSource Corporation site located at 1610 North Calhoun Street, Fort Wayne, Allen County, Indiana. The site location is identified on Figure 1. Elevated concentrations of total metals and polychlorinated biphenyls (PCBs) were identified in soils on the site during sampling and analyses of site soils performed in August and October 2007.

Fieldwork

On October 25 and 26, 2007, AVANT installed five groundwater monitoring wells on the site. The wells were located on the site in an attempt to collect groundwater samples from up-gradient and down-gradient locations on the site, based upon assumed groundwater flow direction and topography, and in the area of previously identified soil contamination. Monitoring wells MW-1 and MW-2 were located in the apparent down-gradient direction of groundwater flow. MW-1 was advanced near the southwest corner of the former railroad warehouse building on the southeast corner of the site, near the northwest intersection of Fourth Street and North Clinton Street. MW-2 was advanced near the southwest corner of the site, adjacent to the east side of the asphalt parking lot located east of North Calhoun Street and south of Fourth Street. MW-3 was advanced near the northwest corner of the site, south of the property boundary with the former YWCA facility and east of Harrison Street. MW-4 and MW-5 were located in areas where elevated concentrations of contaminants were previously identified in soils. The monitoring well locations are identified on Figure 2.

The monitoring wells were installed using a Geoprobe rig (MW-1 and MW-2) and a truck-mounted drill rig (MW-3, MW-4, and MW-5). The wells were constructed of 2.0 inch PVC with 10 feet of 0.01 slot PVC screen. The screen annular space was filled with coarse sand approximately 1.0 foot above the screen. Approximately 1.0 feet of bentonite was placed on top of the sand pack. The wells were not completed at the surface with vaults or concrete seals. Further, neither the well locations nor the well elevations were surveyed. No groundwater flow direction or gradient was determined for the site. However, groundwater was assumed to flow from the north to the south, toward the St. Mary's River. No specific groundwater tests were performed on the wells to determine groundwater velocity, recharge rates, etc.

No soil samples were collected from the bore holes for chemical analyses. However, the soils encountered in the boreholes were logged for lithologic characteristics. Boring logs for each well location are included in Appendix A.

Groundwater samples were collected from the monitoring wells on October 29, 2007. The groundwater samples were analyzed for volatile organic compounds (VOCs) using SW-846

Method 8260, total petroleum hydrocarbons (TPH) with gasoline range organics (GRO) using SW-846 Method 8015, TPH with extended range organics (ERO) using SW-846 Method 8015M TPH-Ext C₈-C₃₆, semi-volatile organic compounds (SVOCs) using SW-846 Method 8270 BNA/PAH-SIM, total RCRA metals (arsenic, cadmium, chromium, lead, mercury, nickel, and zinc) using EPA Methods 6010 and 7470, and for polychlorinated biphenyls (PCBs) using SW-846 Method 8082.

Site Geology

Boring logs with lithologic descriptions are included in Appendix A. Monitoring wells MW-1, MW-2, and MW-5 are located on the southern-third of the site while MW-3 and MW-4 are located on the northern-third of the site.

The northern-third of the site appears to be underlain by glacially derived sediments consisting mainly of sandy, silty, clay with thin, fine to medium grained sand lens. The sand lenses are typically less than 1.0 inch in thickness. Groundwater identified in the vicinity of MW-4 was identified within these thin sand lenses. Groundwater identified in the vicinity of MW-3 was identified within an approximately 1.0 foot thick layer of coarse sand and gravel. The depth to groundwater below ground surface at MW-3 was measured at approximately 9.26 feet below grade the day after the well installations. The depth to groundwater below ground surface at MW-4 was measured at approximately 16.94 feet.

The southern two-thirds of the site appear to contain coarser grained sediments at depth, possibly derived from fluvial deposition from the historic path of the St. Mary's River. Sediments in the vicinity of MW-5, MW-1, and MW-2 generally consist of glacially-derived clays from the surface to a depth of approximately 8.0 feet below surface grade. Beneath approximately the 8.0 foot depth, the sediments consist of fine to medium grained sand and medium to coarse grained sand. Groundwater was identified within the coarser sediments in MW-1 (18.15 feet), in MW-2 (19.59 feet), and in MW-5 (15.15 feet).

GROUNDWATER SAMPLING AND ANALYSIS

Groundwater Sampling

On October 29, 2007, AVANT sampled the five on-site groundwater monitoring wells. AVANT collected groundwater samples for metals analyses from the monitoring wells using low-flow or micro-purge sampling techniques as identified in the IDEM OLQ Geological Services Memorandum, *Micro-Purge Sampling for Monitoring Wells*, dated January 8, 2003, and the Nonrule Policy Document, *Sampling and Analysis of Ground Water for Metals at Remediation Sites*, dated March 17, 2005. The groundwater samples for VOC, TPH-GRO, TPH-ERO, SVOC, and PCB analyses were collected using pre-decontaminated, plastic bailers with monofilament line. The VOC and TPH-GRO samples were retained in 40 mL VOA vials preserved with hydrochloric acid. The TPH-ERO, SVOC, and PCB samples were retained in un-preserved 1.0 liter amber glass jars. The samples were placed on ice and shipped via Federal Express to ENVision Laboratories, Inc. in Indianapolis, Indiana for analyses. A duplicate sample was also submitted from monitoring well MW-2. Chain-of-custody protocol was followed from sample collection to laboratory delivery. Gauging and relevant well information is included on the Water Parameter Monitoring Forms included in Appendix B.

Analytical Results

The VOC, TPH-GRO, TPH-ERO, and SVOC analytical results are presented in Table 1. The total metals and PCB analytical results are presented in Table 2. Complete groundwater analytical results are presented in Appendix C.

Monitoring wells MW-1, MW-2, and MW-3 did not have detectable chemical constituents identified above the laboratory detection limits for each specific analyte. None of the five wells had detectable concentrations of TPH-GRO or PCBs. Note that the water sample from MW-5 for PCB analysis was damaged at the laboratory and could not be analyzed.

Methyl tertiary butyl ether (MTBE) was the only VOC analyte identified in the groundwater. MTBE was detected in the sample from MW-4 at 0.63 mg/L. The IDEM RISC Residential Default Closure Level for MTBE is 0.04 mg/L and the Industrial Default Closure Level is 0.72 mg/L.

TPH-ERO was detected in the duplicate sample water sample from MW-2 at 0.35 mg/L, in MW-4 at 1.2 mg/L, and in MW-5 at 0.32 mg/L. The IDEM RISC Residential Default Closure Level for TPH-ERO is 0.1 mg/L and the Industrial Closure Level is 1.1 mg/L.

Several SVOCs were identified in the duplicate sample for MW-2. The SVOCs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and chrysene. However, these SVOC constituents were detected below the IDEM RISC Residential Default Closure Level for each analyte.

Arsenic was the only metal identified in the groundwater. Arsenic was detected in the sample from MW-5 at 0.02 mg/L. The IDEM RISC Residential and Industrial Default Closure Levels are both 0.01mg/L.

CONCLUSIONS

The October 2007 groundwater sampling did not identify any IDEM RISC Residential or Industrial Default Closure Level exceedences, in the collected water samples, for TPH-GRO, SVOCs, or PCBs. Arsenic was the only total metal identified above the laboratory detection limit for each specific metal analyzed. Arsenic was identified in MW-5 at 0.02 mg/L, which is greater than the IDEM RISC Residential and Industrial Default Closure Levels of 0.01 mg/L. MTBE was the only VOC detected above the laboratory detection limit for each specific VOC analyte. MTBE was detected in the sample from MW-4 at a concentration of 0.63 mg/L, which is greater than the IDEM RISC Residential Default Closure Level of 0.04 mg/L, but below the Industrial Default Closure Level of 0.72 mg/L. TPH-ERO was detected in the duplicate sample from MW-2 at 0.35 mg/L, in MW-4 at 1.2 mg/L, and in MW-5 at 0.32 mg/L. The IDEM RISC Residential Default Closure Level for TPH-ERO is 0.1 mg/L and the Industrial Default Closure Level is 1.1 mg/L.

The direction of groundwater flow beneath the site appears to be in a southerly direction, towards the St. Mary's River. However, this was not confirmed through surveying as the wells were not surveyed.

LIMITATIONS

The services, data, and opinions of AVANT Group, (AVANT) performed for and expressed in this report are for the sole and exclusive use of the City of Fort Wayne. The scope of services for this project may not be appropriate for the needs of others, and the use or re-use of this document and the findings, conclusions, or recommendations expressed herein is not contemplated and at the risk of the user. Reliance by any party on the facts, conclusions, and recommendations in this report is subject to the specific scope of work and the contractual terms and conditions under which this work was authorized and performed.

In performing this investigation, AVANT has striven to conform to generally accepted principles and practices of other consultants conducting similar investigations in the same geographic area. This warranty is in lieu of all others, either expressed or implied. The investigation is limited to the specific project, property, and date of AVANT's site visit, as described in this report, and its findings should not be relied upon by any party to represent conditions at other times or properties. The investigation described in this report was also conducted within the context of agency rules, regulations, and enforcement policies in effect at the time of its execution; later changes in rules, regulations, and policies may result in different conclusions than those expressed in this report.

The scope of the investigation and report was mutually devised by AVANT and the City of Fort Wayne and is not intended as an audit for regulatory compliance. No activity, including sampling, investigation, or evaluation of any material or substance, may be assumed to be included in this investigation unless such activity is expressly considered in the scope of work and this report. Maps and drawings in this report are included only to aid the reader and should not be considered surveys or engineering studies.

The findings of the investigation are probabilities based on AVANT's professional judgment of site conditions as discernible from the limited, and often indirect, information provided by others and obtained or observed by AVANT using the methods specified. AVANT does not warrant the accuracy or completeness of information and independent opinions, conclusions, and recommendations provided or developed by others and assumes no responsibility for documenting conditions detectable with methods or techniques not specified in the scope of work. AVANT's opinion regarding site conditions is not a warranty that all areas within the site and beneath site structures are of the same quality or condition as those observed or sampled.

Sincerely,
AVANT Group


Mark Anderson, LPG
Project Manager

Table 1

VOC, TPH-GRO, TPH-ERO, and SVOC Analytical Data
OmniSource Corporation, 1610 North Calhoun Street, Fort Wayne, Indiana

Sample Location	VOCs ^a	MTBE	TPH-GRO	TPH-ERO	SVOCs ^b	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene
MW-1	ND	<0.005	<0.22	<0.1	ND	<0.00011	<0.00011	<0.00011	<0.00011
MW-2	ND	<0.005	<0.22	<0.1	ND	<0.0001	<0.0001	<0.0001	<0.0001
DUP (MW-2)	ND	<0.005	<0.22	0.35	ND	0.00023	0.00012	0.00039	0.00024
MW-3	ND	<0.005	<0.22	<0.1	ND	<0.0001	<0.0001	<0.0001	<0.0001
MW-4	ND	0.63	<0.22	1.2	ND	<0.0001	<0.0001	<0.0001	<0.0001
MW-5	ND	<0.005	<0.22	0.32	ND	<0.00011	<0.00011	<0.00011	<0.00011
RISC Residential	Varies ^c	0.04	0.22	0.1	Varies ^c	0.0012	0.0002	0.0012	0.0016
RISC Industrial	Varies ^c	0.72	3.0	1.1	Varies ^c	0.0039	0.00039	0.0015	0.0016

Notes:

All results are reported in mg/L.

RISC Industrial Default Closure Level for Chromium III is 150 mg/L, Chromium IV is 0.31 mg/L.

RISC Industrial and Residential Default Closure Levels are taken from Appendix 1, Default Closure

Tables, IDEM RISC Technical Guide, January 31, 2006 Update.

Bold numbers exceed Residential Default Closure Levels. **Bold** and shaded cells exceed both Residential and Industrial Default Closure Levels.

^a - Volatile Organic Compounds (VOCs) include 75 individual constituents, including MTBE.

^b - Semi-Volatile Organic Compounds (SVOCs) include 67 individual constituents, including those identified to the right.

^c - Default Closure Levels are constituent dependent.

Table 2
Total Metals and PCB Analytical Data
OmniSource Corporation, 1610 North Calhoun Street, Fort Wayne, Indiana

Sample Location	Arsenic	Cadmium	Total Chromium	Lead	Mercury	Nickel	Zinc
MW-1	<0.01	<0.005	<0.01	<0.01	<0.002	<0.05	<0.05
MW-2	<0.01	<0.005	<0.01	<0.01	<0.002	<0.05	<0.05
DUP (MW-2)	<0.01	<0.005	<0.01	<0.01	<0.002	<0.05	<0.05
MW-3	<0.01	<0.005	<0.01	<0.01	<0.002	<0.05	<0.05
MW-4	<0.01	<0.005	<0.01	<0.01	<0.002	<0.05	<0.05
MW-5	0.02	<0.005	<0.01	<0.01	<0.002	<0.05	<0.05
RISC Residential	0.01	0.005	0.1	0.015	0.002	0.73	11
RISC Industrial	0.01	0.051	150 {0.31}	0.042	0.031	2.0	31

Notes:

All results are reported in mg/L.

RISC Industrial Default Closure Level for Chromium III is 150 mg/L, Chromium IV is 0.31 mg/L.

RISC Industrial and Residential Default Closure Levels are taken from Appendix 1, Default Closure

Tables, IDEM RISC Technical Guide, January 31, 2006 Update.

Bold and shaded cells exceed both Residential and Industrial Default Closure Levels.

Sample Location	Polychlorinated Biphenyls
MW-1	<0.00005
MW-2	<0.00005
DUP (MW-2)	<0.00005
MW-3	<0.00005
MW-4	<0.00005
MW-5	Not Tested ^a
RISC Residential	0.0005
RISC Industrial	0.0014

Notes:

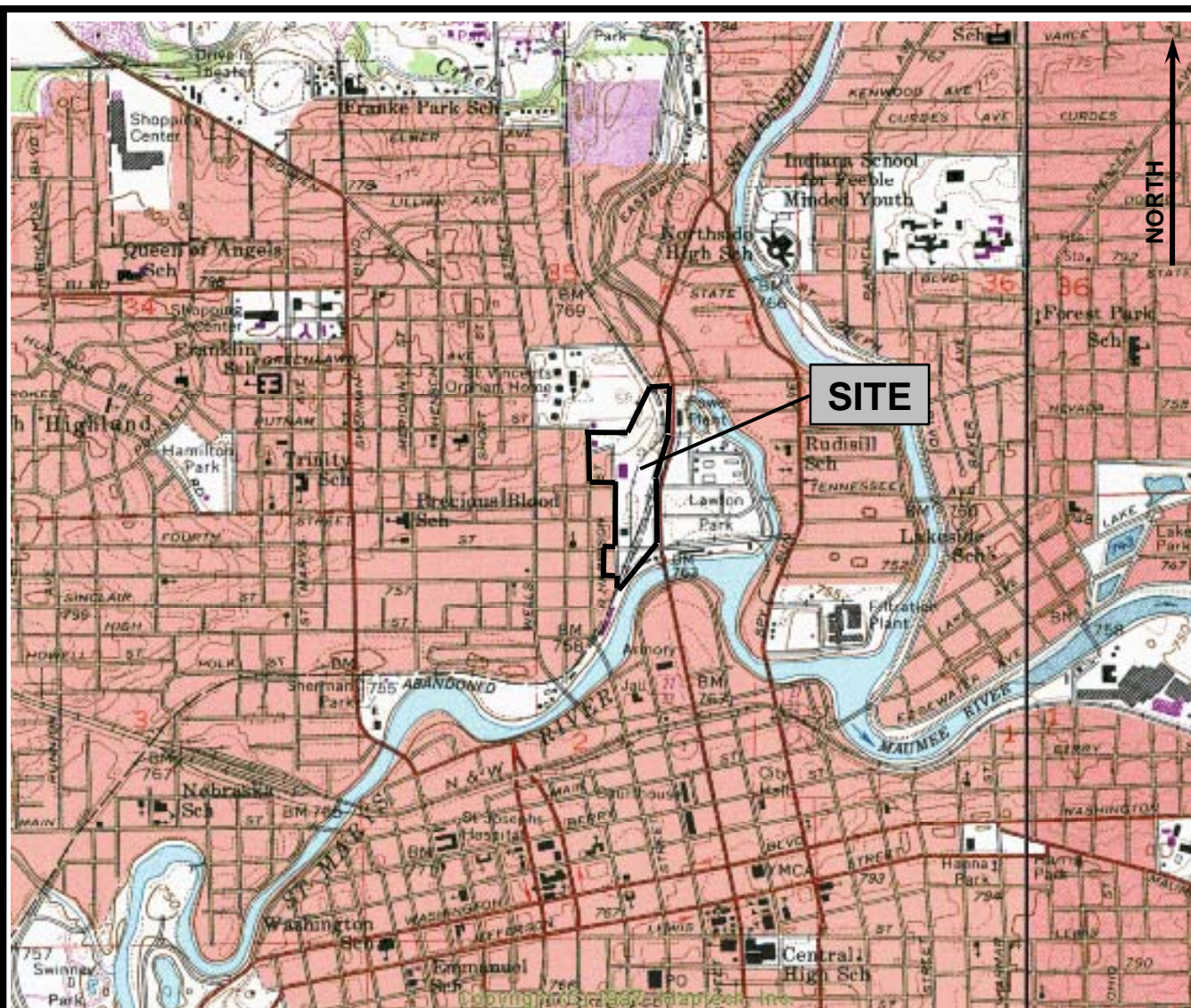
All results are reported in mg/L.

RISC Industrial Default Closure Level for Chromium III is 150 mg/L, Chromium IV is 0.31 mg/L.

RISC Industrial and Residential Default Closure Levels are taken from Appendix 1, Default Closure

Tables, IDEM RISC Technical Guide, January 31, 2006 Update.

^a - Sample Not Tested for PCBs due to bottle breakage at laboratory.



SCALE: 1 INCH = 2,000 FT

SOURCE: FORT WAYNE WEST, INDIANA, USGS TOPOGRAPHIC QUADRANGLE MAP, 1963, REVISED 1981
FORT WAYNE EAST, INDIANA, USGS TOPOGRAPHIC QUADRANGLE MAP, 1963, REVISED 1981



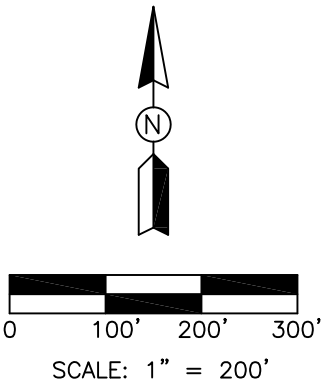
Environmental Science and Engineering
508 Incentive Drive, Fort Wayne, IN 46825
(260) 497-9620 Fax: (260) 497-9720

TITLE **Figure 1 - Site Location Map**
Former OmniSource Corporation Site
1610 N. Calhoun Street
Fort Wayne, Indiana

CLIENT
City of Fort Wayne
Division of Community Development

Project	Task	Size	Date
07-791	40	A	11/14/07

LTR	DESCRIPTION OF CHANGE	DATE	DRN	CHK'D
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 **AVANT**
Group, Inc.
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TITLE:
MONITORING WELL LOCATIONS
FORMER OMNISOURCE FACILITY
1610 NORTH CALHOUN STREET
FORT, WAYNE, INDIANA

CLIENT:
CITY OF FORT WAYNE-COMMUNITY DEVELOPMENT DIVISION
FORT WAYNE, INDIANA

DRAWN BY:	MKL	DATE:	11/16/07
CHECKED BY:	MRA	DATE:	11/16/07
APPROVED BY:	MRA	DATE:	11/16/07

DRAWING NUMBER					REV:
CONTRACT NUMBER	TASK	SIZE	FIG. NO.		
07-791	40	B	2		

APPENDIX A

Boring Logs



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Monitoring Well: MW-1

Logged By: MRA

Date Drilled: 10/25/07

Drilled By: SCS

Sample Tool: Dual Tube and 4 1/4" HSA

Initial Water Level (ft): 16.0'

Final Water Level (ft): 18.15'

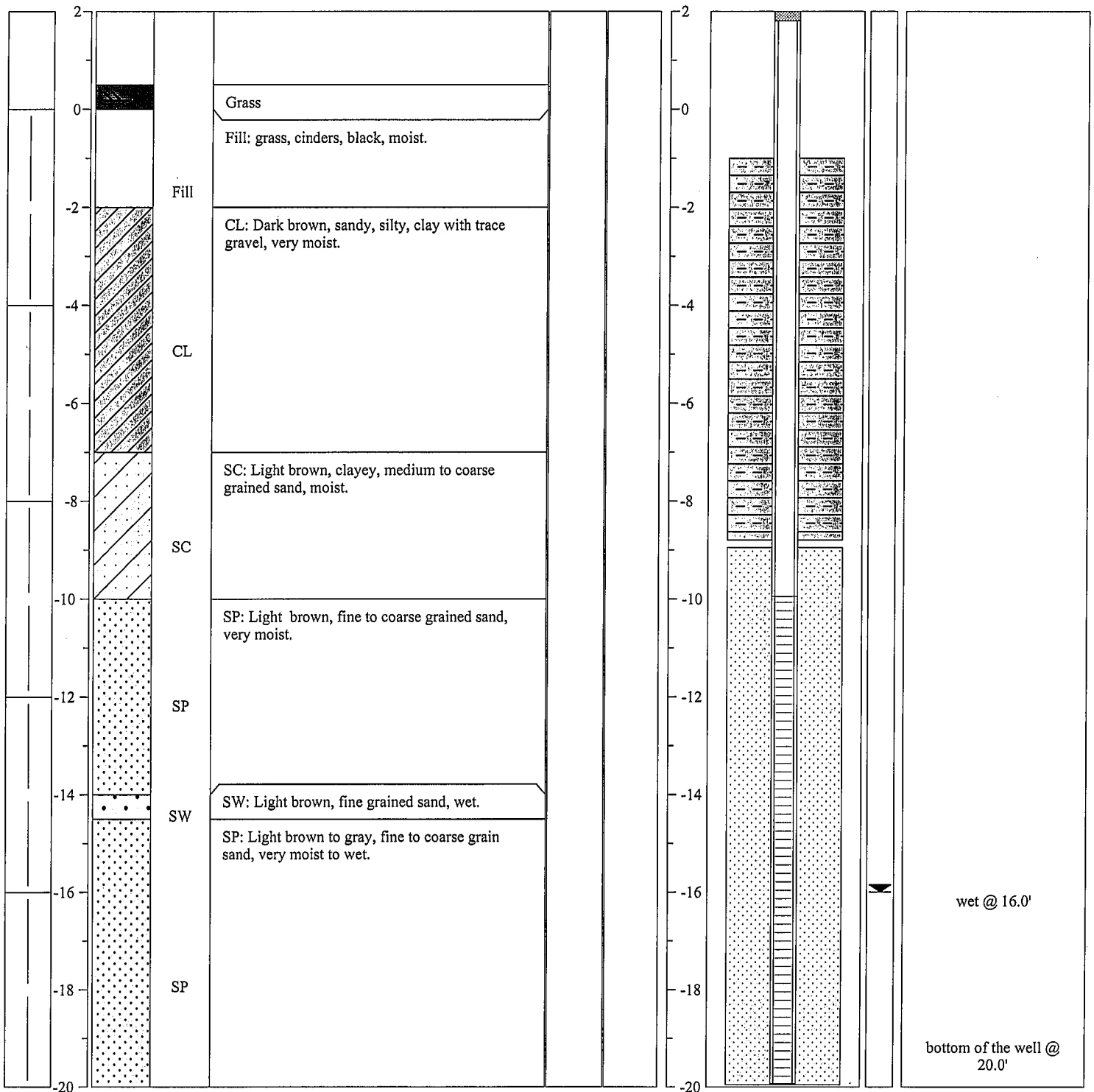
Total Depth of Boring (ft): 20.0'

Top of Casing Elevation (ft):

Project Name: OmniSource

Project Number: 07-791-40

Sample	Scale	Graphic Log	USCS	Lithology	%Recovery	PID/FID	Scale	Well Construction	Notes
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Logged By: MRA
Date Drilled: 10/25/07
Drilled By: SCS
Sample Tool: Dual Tube

Top of Casing Elevation (ft):

Project Number: 07-791-40

Depth (ft)	Soil Type	Description
0.0 - 0.5	Grass	Grass
0.5 - 2.0	Fill	Fill: surface grass, railroad siding, black organic matter, wood, roots, brown medium grain sand gravel, dry.
2.0 - 7.5	CL	CL: Gray (to 3.5') to reddish brown, sandy, silty clay with trace gravel, moist.
7.5 - 10.5	SC	SC: Reddish-brown, clayey, gravelly medium grain sand, moist.
10.5 - 11.5	SW	SW: Reddish-brown, fine grained sand, moist.
11.5 - 12.5	SC	SC: Reddish-brown, clayey, gravelly medium grain sand, moist.
12.5 - 13.5	SW	SW: Light gray, fine grained sand, moist.
13.5 - 15.5	SP	SP: Light gray, medium to coarse grained sand, moist.
15.5 - 16.5	SW	SW: Light gray, fine grained sand, moist.
16.5 - 18.0	SW	SW: Light brown, fine grained sand, very moist.
18.0 - 23.7	SP	SP: Light brown to dark brown, medium to coarse grained sand, wet.

wet @ 18.0'

bottom of the well @ 23.70'



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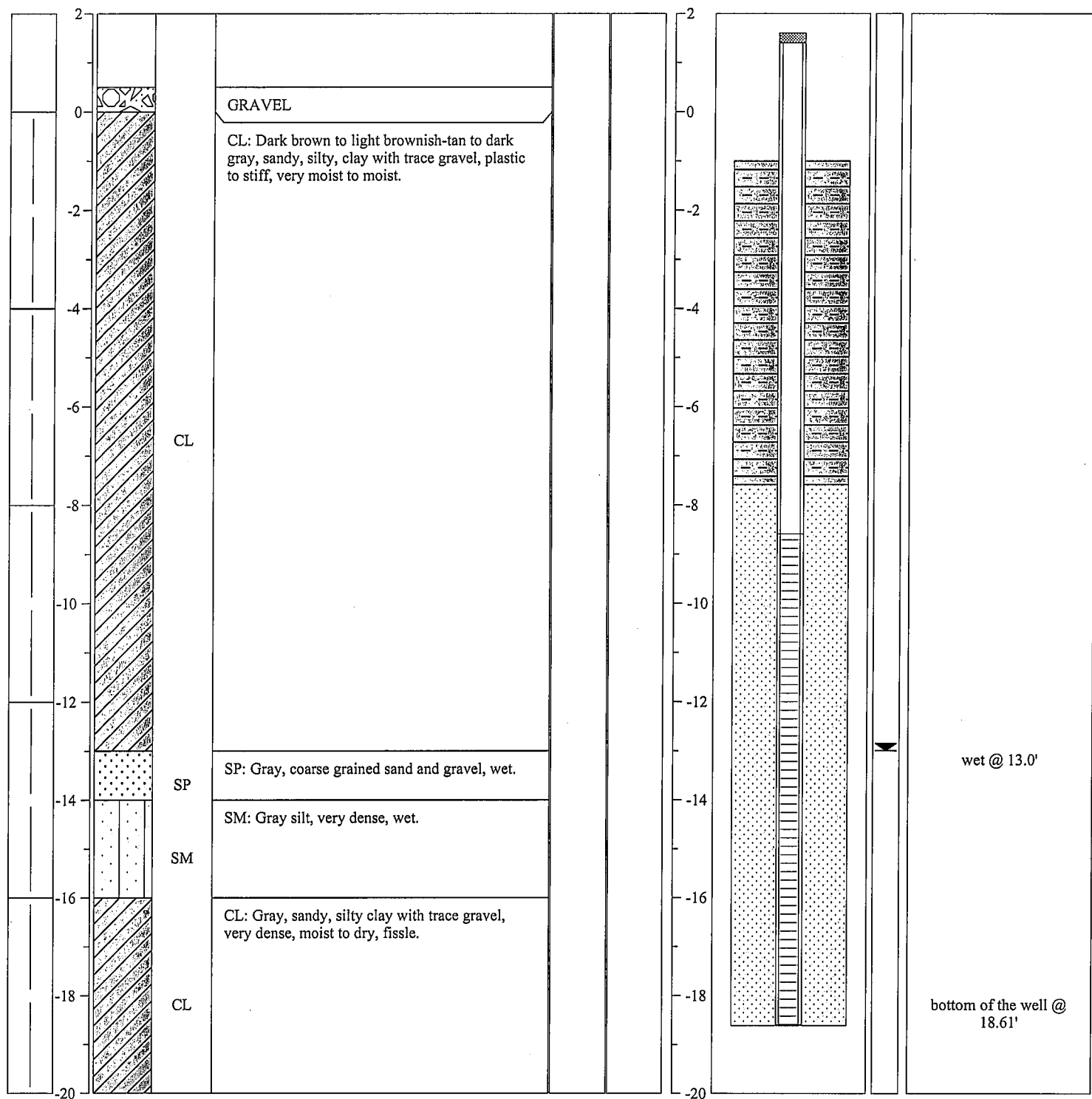
Monitoring Well: MW-3

Logged By: MRA
Date Drilled: 10/25/07
Drilled By: SCS
Sample Tool: Dual Tube and 4 1/4" HSA

Initial Water Level (ft): 13.0'
Final Water Level (ft): 9.26'
Total Depth of Boring (ft): 20.0'
Top of Casing Elevation (ft):

Project Name: OmniSource
Project Number: 07-791-40

Sample	Scale	Graphic Log	USCS	Lithology	%Recovery	PID/FID	Scale	Well Construction	Notes
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AVANT
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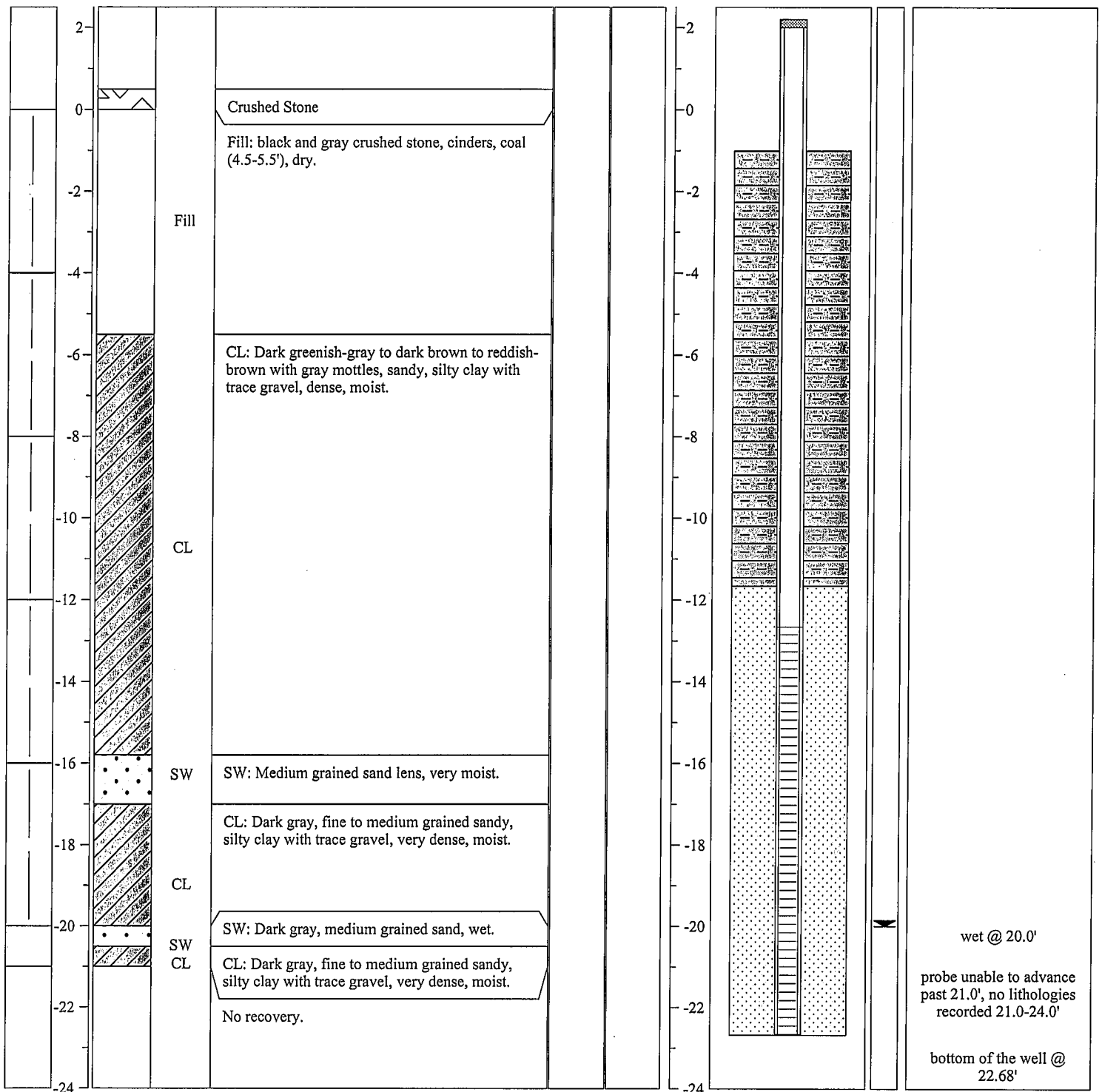
Monitoring Well: MW-4

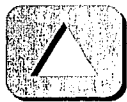
Logged By: MRA
Date Drilled: 10/25/07
Drilled By: SCS
Sample Tool: Dual Tube and 4 1/4" HSA

Initial Water Level (ft): 20.0'
Final Water Level (ft): 16.94'
Total Depth of Boring (ft): 24.0'
Top of Casing Elevation (ft):

Project Name: OmniSource
Project Number: 07-791-40

Sample	Scale	Graphic Log	USCS	Lithology	%Recovery	PID/FID	Scale	Well Construction	Notes
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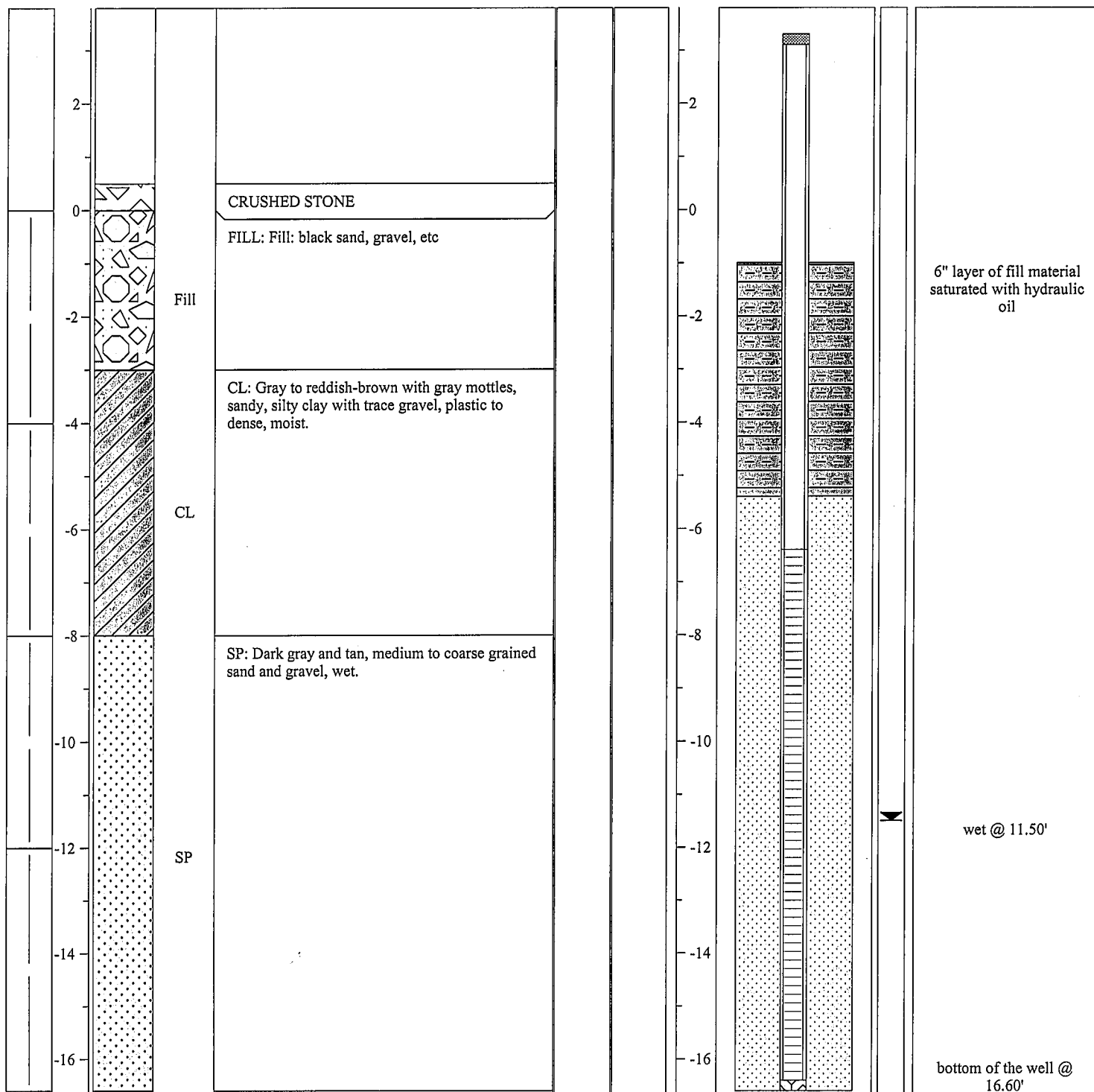
Monitoring Well: MW-5

Logged By: MRA
Date Drilled: 10/25/07
Drilled By: SCS
Sample Tool: Dual Tube and 4 1/4" HSA

Initial Water Level (ft): 11.5'
Final Water Level (ft): 15.15'
Total Depth of Boring (ft): 16.0'
Top of Casing Elevation (ft):

Project Name: OmniSource
Project Number: 07-791-40

Sample	Scale	Graphic Log	USCS	Lithology	%Recovery	PID/FID	Scale	Well Construction	Notes
--------	-------	-------------	------	-----------	-----------	---------	-------	-------------------	-------



APPENDIX B

Water Parameter Monitoring Forms



PROJECT No.: 07-791-40 PROJECT NAME: Fl. Wayne / Omni Source WELL No.: MW-1
DATE: 10/29/07 SAMPLERS: MPA WEATHER: 60° Sunny

WELL & PURGING INFORMATION:

REF. POINT: <u>TOC</u>	TOTAL DEPTH: <u>19.95</u>	SCREEN LENGTH (Ft): <u>10</u> DEPTH (BGL): <u>9.95</u> TO <u>19.95</u>
WELL DIA.:(In): <u>2</u>	WATER DEPTH: <u>18.29</u>	HEIGHT OF TOC ABOVE/BELOW GRADE (Ft): <u>2.0</u>
HEIGHT OF WATER COLUMN (Ft.): <u>3.66</u>		DEPTH TO SCREEN BELOW TOC (Ft): <u>11.95</u> TO <u>21.95</u>
FREE PRODUCT PRESENT (Ft): <u>✓</u> TO <u> </u>		WELL HEADSPACE READING IN ppm (PID/FID): <u>✓</u>
INTAKE DEPTH (Ft. BELOW TOC): <u>21</u>		

EQUIPMENT: ☐ SUBMERSIBLE PUMP ☐ BLADDER PUMP ☒ PERISTALTIC ☒ BAILER
WATER QUALITY METER(S): YSI
☐ DOWN-HOLE METER ☒ FLOW-THRU CELL ☐ OPEN CONTAINER AT SURFACE
METHOD: ☒ LOW-FLOW ☐ 3 WELL VOLs. ☐ WELL PURGED DRY TOTAL VOL. PURGED (Gal.): 5

Time	Temp. (°C)	Sp. Cond. Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity ()	Rate (mL/Min)	DTW (Ft.)	Comments
1650	15.33	1.224	5.41	7.52	114	3.16	190		
1655	15.54	1.196	5.38	7.49	102				
1700	15.47	1.184	5.60	7.47	90				
1705	15.39	1.181	5.51	7.45	83.7				
1710	15.37	1.182	5.50	7.44	80.7				
Sampled @ 1710									

Sampling Observations:



METHOD: ☒ LOW-FLOW ☐ DOWN-HOLE METER ☒ FLOW-THRU CELL ☐ OPEN CONTAINER AT SURFACE
☒ 3 WELL VOLs. ☐ WELL PURGED DRY TOTAL VOL. PURGED (Gal.): 2

Sampling Observations: _____



Water Parameter Monitoring Form

PROJECT No.: 07-391-40 PROJECT NAME: Fl. Wayne / Omni Source WELL No.: MW-3
DATE: 10/29/07 SAMPLERS: MRA WEATHER: 50° Sunny

WELL & PURGING INFORMATION: 18.61
REF. POINT: TOC TOTAL DEPTH: 20.2 SCREEN LENGTH (Ft): 10 DEPTH (BGL): 8.61 TO 18.61
WELL DIA.: (In): 2 WATER DEPTH: 8.87 HEIGHT OF TOC ABOVE/BELOW GRADE (Ft): 1.6
HEIGHT OF WATER COLUMN (Ft.): 11.33 DEPTH TO SCREEN BELOW TOC (Ft): 10.2 TO 20.2
FREE PRODUCT PRESENT (Ft): TO WELL HEADSPACE READING IN ppm (PID/FID):
INTAKE DEPTH (Ft. BELOW TOC): 19
EQUIPMENT: SUBMERSIBLE PUMP BLADDER PUMP X PERISTALTIC X BAILER
WATER QUALITY METER(S): VSI 190 mL/min
 DOWN-HOLE METER X FLOW-THRU CELL OPEN CONTAINER AT SURFACE
METHOD: X LOW-FLOW 3 WELL VOLs. WELL PURGED DRY TOTAL VOL. PURGED (Gal.): 5

Time	Temp. (°C)	Sp. Cond. Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity ()	Rate (mL/Min)	DTW (Ft.)	Comments
1008	16.35	1.109	8.56	7.77	142.9	422	190		
1015	16.27	1.109	5.01	7.56	136.5	311			
1020	16.01	1.106	4.74	7.44	98	273			
1026	16.11	1.101	4.40	7.36	0.1	272			
1032	16.13	1.102	4.06	7.31	-16.4	291			
1042	16.29	1.094	3.67	7.25	-47.6	289			
1048	16.42	1.090	3.46	7.23	-54.2	307			
1051	16.49	1.088	3.52	7.23	-56.6	289			
1054	16.59	1.085	3.19	7.21	-59.4	291			
1057	16.56	1.084	3.25	7.22	-60.3	301			
1108	16.63	1.084	3.20	7.21	-63.3	282			
1103	16.74	1.079	3.10	7.20	-66.2				
Sampled @ 1105									

Sampling Observations: Lab grade water was 274 in turbidity meter



PROJECT No.: 07-791-40 PROJECT NAME: Fl. Wayne/Omni WELL No.: UW-24
DATE: 10/29/07 SAMPLERS: MRA WEATHER: 60° Sunny

REF. POINT: TOC TOTAL DEPTH: 22.68 SCREEN LENGTH (Ft): 10 DEPTH (BGL): 12.88 TO 22.88
WELL DIA.:(In): 2 WATER DEPTH: 11.26 HEIGHT OF TOC ABOVE/BELOW GRADE (Ft): 2.2 +
HEIGHT OF WATER COLUMN (Ft.): 13.62 DEPTH TO SCREEN BELOW TOC (Ft): 14.88 TO 24.88
FREE PRODUCT PRESENT (Ft): — TO — WELL HEADSPACE READING IN ppm (PID/FID): —
INTAKE DEPTH (Ft. BELOW TOC): 21
EQUIPMENT: — SUBMERSIBLE PUMP — BLADDER PUMP X PERISTALTIC X BAILER

WATER QUALITY METER(S): YSI

METHOD: DOWN-HOLE METER X FLOW-THRU CELL OPEN CONTAINER AT SURFACE
 X LOW-FLOW 3 WELL VOLs. WELL PURGED DRY TOTAL VOL. PURGED (Gal.): 5

Sampling Observations: Sampled @ 1330
* Started pumping @ 1153



WELL & PURGING INFORMATION: 16.6

REF. POINT: TOC TOTAL DEPTH: 19.9 SCREEN LENGTH (Ft): 10 DEPTH (BGL): 6.6 TO 16.6

WELL DIA. (In): 2 WATER DEPTH: 15.27 HEIGHT OF TOC ABOVE/BELOW GRADE (Ft): 3.3 +

HEIGHT OF WATER COLUMN (Ft): 4.63 DEPTH TO SCREEN BELOW TOC (Ft): 9.9 TO 19.9

FREE PRODUCT PRESENT (Ft): TO WELL HEADSPACE READING IN ppm (PID/FID): —

INTAKE DEPTH (Ft. BELOW TOC): 18

EQUIPMENT: ☐ SUBMERSIBLE PUMP ☐ BLADDER PUMP ☒ PERISTALTIC ☒ BAILER

WATER QUALITY METER(S): VST

☐ DOWN-HOLE METER ☒ FLOW-THRU CELL ☐ OPEN CONTAINER AT SURFACE

METHOD: ☒ LOW-FLOW ☐ 3 WELL VOLS. ☐ WELL PURGED DRY TOTAL VOL. PURGED (Gal.): 2.5

Time	Temp. (°C)	Sp. Cond. Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (_____)	Rate (mL/Min)	DTW (Ft.)	Comments
1410	16.61	1.537	2.40	7.12	-97	96.2	190		
1419	16.72	1.504	0.78	7.04	-99	78.6			
1425	16.74	1.492	0.70	7.02	-101	82			
1431	16.77	1.48	0.64	7.00	-100	72			
1437	16.80	1.475	0.64	6.99	-100	86			
1443	16.78	1.471	0.58	6.98	-102	84			
Sampled @ 1444									

Sampling Observations:



YSI 556 Calibration Form

Date: 10-29-07
 Personnel: ACT

Parameter	Calibration Standard Value	Instrument Reading Before Calibration	Instrument Reading After Calibration	Calibration Accepted
ORP	<u>238.8 mV¹</u>		<u>238.8</u>	<u>Yes</u> /No
Conductivity	<u>4.49 mS/cm</u>		<u>4.498</u>	<u>Yes</u> /No
Conductivity	1413 μ S/cm			Yes/No
pH	<u>4.00 s.u.</u>		<u>4.00</u>	<u>Yes</u> /No
pH	7.00 s.u.			Yes/No
pH	<u>10.00 s.u.</u>		<u>10.00</u>	<u>Yes</u> /No
DO	% O ₂		<u>101.4%</u>	<u>Yes</u> /No

Notes: _____

¹Temperature Effects On Redox Potential Measurements Of Zobell Solution ORP Standard

Temperature (°C)	ORP Value (mV)	Temperature (°C)	ORP Value (mV)
10	250.5	23	233.6
11	249.2	24	232.3
12	247.9	25	231.0
13	246.6	26	229.7
14	245.3	27	228.4
15	244.0	28	227.1
16	242.7	29	225.8
17	241.4	30	224.5
18	240.1	31	223.2
19	238.8	32	221.9
20	237.5	33	220.6
21	236.2	34	219.3
22	234.9	35	218.0

APPENDIX C

Groundwater Analytical Results



ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
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Tel: 317.351.8632
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Mr. Mark Anderson
Avant Group
508 Incentive Drive
Fort Wayne, IN 46825

November 2, 2007

ENVision Project Number: 2007-2225
Client Project Name: Ft. Wayne/Omni

Dear Mr. Anderson,

Please find the attached analytical report for the samples received October 30, 2007. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data. Metals analyses are not included in the NELAC certification.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. ENVision Laboratories looks forward to working with you on your next project.

Yours Sincerely,

Cheryl A. Crum

Director of Project Management
ENVision Laboratories, Inc.

IL ELAP / NELAC Accreditation # 100454





ENVision Laboratories, Inc.
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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225
Analytical Method: 8260
Prep Method: 5030B
Analytical Batch: 110107VW
Client Sample ID: MW-1
Envision Sample Number: 7-14695
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 17:10
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Acetone	< 0.1	0.1	
Acrolein	< 0.1	0.1	
Acrylonitrile	< 0.1	0.1	
Benzene	< 0.005	0.005	
Bromobenzene	< 0.005	0.005	
Bromochloromethane	< 0.005	0.005	
Bromodichloromethane	< 0.005	0.005	
Bromoform	< 0.005	0.005	
Bromomethane	< 0.005	0.005	
n-Butanol	< 0.050	0.05	
2-Butanone (MEK)	< 0.01	0.01	
n-Butylbenzene	< 0.005	0.005	
sec-Butylbenzene	< 0.005	0.005	
tert-Butylbenzene	< 0.005	0.005	
Carbon Disulfide	< 0.005	0.005	
Carbon Tetrachloride	< 0.005	0.005	
Chlorobenzene	< 0.005	0.005	
Chloroethane	< 0.005	0.005	
2-Chloroethylvinylether	< 0.050	0.05	
Chloroform	< 0.005	0.005	
Chloromethane	< 0.005	0.005	
2-Chlorotoluene	< 0.005	0.005	
4-Chlorotoluene	< 0.005	0.005	
1,2-Dibromo-3-chloropropane	< 0.005	0.005	
Dibromochloromethane	< 0.005	0.005	
1,2-Dibromoethane (EDB)	< 0.005	0.005	
Dibromomethane	< 0.005	0.005	
1,2-Dichlorobenzene	< 0.005	0.005	
1,3-Dichlorobenzene	< 0.005	0.005	
1,4-Dichlorobenzene	< 0.005	0.005	
trans-1,4-Dichloro-2-butene	< 0.1	0.1	
Dichlorodifluoromethane	< 0.005	0.005	



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8260 continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
1,1-Dichloroethane	< 0.005	0.005	
1,2-Dichloroethane	< 0.005	0.005	
1,1-Dichloroethene	< 0.005	0.005	
cis-1,2-Dichloroethene	< 0.005	0.005	
trans-1,2-Dichloroethene	< 0.005	0.005	
1,2-Dichloropropane	< 0.005	0.005	
1,3-Dichloropropane	< 0.005	0.005	
2,2-Dichloropropane	< 0.005	0.005	
1,1-Dichloropropene	< 0.005	0.005	
cis-1,3-Dichloropropene	< 0.005	0.005	
trans-1,3-Dichloropropene	< 0.005	0.005	
Ethylbenzene	< 0.005	0.005	
Ethyl methacrylate	< 0.1	0.1	
Hexachloro-1,3-butadiene	< 0.005	0.005	
n-Hexane	< 0.01	0.01	
2-Hexanone	< 0.01	0.01	
Iodomethane	< 0.01	0.01	
Isopropylbenzene (Cumene)	< 0.005	0.005	
p-Isopropyltoluene	< 0.005	0.005	
Methylene chloride	< 0.005	0.005	
4-Methyl-2-pentanone (MIBK)	< 0.01	0.01	
Methyl-tert-butyl-ether	< 0.005	0.005	
Naphthalene	< 0.005	0.005	
n-Propylbenzene	< 0.005	0.005	
Styrene	< 0.005	0.005	
1,1,1,2-Tetrachloroethane	< 0.005	0.005	
1,1,2,2-Tetrachloroethane	< 0.005	0.005	
Tetrachloroethene	< 0.005	0.005	
Toluene	< 0.005	0.005	
1,2,3-Trichlorobenzene	< 0.005	0.005	
1,2,4-Trichlorobenzene	< 0.005	0.005	
1,1,1-Trichloroethane	< 0.005	0.005	
1,1,2-Trichloroethane	< 0.005	0.005	
Trichloroethene	< 0.005	0.005	
Trichlorofluoromethane	< 0.005	0.005	
1,2,3-Trichloropropane	< 0.005	0.005	
1,2,4-Trimethylbenzene	< 0.005	0.005	
1,3,5-Trimethylbenzene	< 0.005	0.005	
Vinyl acetate	< 0.01	0.01	
Vinyl chloride	< 0.002	0.002	
Xylene, M&P	< 0.005	0.005	
Xylene, Ortho	< 0.005	0.005	
Xylene (Total)	< 0.01	0.01	
Dibromofluoromethane (surrogate)	55.6	111%	
1,2-Dichloroethane-d4 (surrogate)	44	88%	
Toluene-d8 (surrogate)	52.6	105%	
4-bromofluorobenzene (surrogate)	56.6	113%	

Analysis Date/Time:

11/01/07/11:35

Analyst Initials

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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015M TPH-Ext C8-C36

Prep Method: 3520C

Analytical Batch: 110107E

Client Sample ID: MW-1

Envision Sample Number: 7-14695

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 17:10

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH--Extended C8-C36	< 0.1	0.1	
o-Terphenyl (surrogate)	87%		
Analysis Date/Time:	11/1/2007 21:58		
Analyst Initials:	gjd		
Date Extracted:	10/31/2007		
Initial Sample Volume:	830 mL		
Final Volume:	1.0 mL		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015 GRO

Prep Method: 5030

Analytical Batch: 103107GW

Client Sample ID: MW-1

Envision Sample Number: 7-14695

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 17:10

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH-Gasoline	< 0.22	0.22	
4-bromofluorobenzene (surrogate)	98%		
Analysis Date/Time:	10/31/07/19:39		
Analyst Initials	tjg		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8270 BNA/PAH-SIM

Prep Method: 3520C

Analytical Batch: 110107B

Client Sample ID: MW-1

Envision Sample Number: 7-14695

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 17:10

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Aniline	< 0.011	0.011	
Benzoic Acid	< 0.054	0.054	
Benzyl Alcohol	< 0.022	0.022	
4-Bromophenylphenyl ether	< 0.011	0.011	
Butylbenzylphthalate	< 0.011	0.011	
Carbazole	< 0.022	0.022	
4-Chloro-3-methylphenol	< 0.022	0.022	
4-Chloroaniline	< 0.022	0.022	
bis(2-Chloroethoxy)methane	< 0.011	0.011	
bis(2-Chloroethyl)ether	< 0.011	0.011	
bis(2-Chloroisopropyl)ether	< 0.011	0.011	
2-Chloronaphthalene	< 0.011	0.011	
2-Chlorophenol	< 0.011	0.011	
4-Chlorophenylphenyl ether	< 0.011	0.011	
Dibenzofuran	< 0.011	0.011	
1,2-Dichlorobenzene	< 0.011	0.011	
1,3-Dichlorobenzene	< 0.011	0.011	
1,4-Dichlorobenzene	< 0.011	0.011	
3,3-Dichlorobenzidine	< 0.022	0.022	
2,4-Dichlorophenol	< 0.011	0.011	
Diethylphthalate	< 0.011	0.011	
2,4-Dimethylphenol	< 0.011	0.011	
Dimethylphthalate	< 0.011	0.011	
Di-n-butylphthalate	< 0.011	0.011	
4,6-Dinitro-2-methylphenol	< 0.054	0.054	
2,4-Dinitrophenol	< 0.054	0.054	
2,4-Dinitrotoluene	< 0.011	0.011	
2,6-Dinitrotoluene	< 0.011	0.011	
Di-n-octylphthalate	< 0.011	0.011	
bis(2-Ethylhexyl)phthalate	< 0.0054	0.0054	
Hexachloro-1,3-butadiene	< 0.011	0.011	
Hexachlorobenzene	< 0.0054	0.0054	
Hexachlorocyclopentadiene	< 0.027	0.027	
Hexachloroethane	< 0.011	0.011	

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8270 Continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Isophorone	< 0.011	0.011	
2-Methylphenol (o-Cresol)	< 0.011	0.011	
3&4-Methylphenol	< 0.022	0.022	
2-Nitroaniline	< 0.054	0.054	
3-Nitroaniline	< 0.054	0.054	
4-Nitroaniline	< 0.054	0.054	
Nitrobenzene	< 0.011	0.011	
2-Nitrophenol	< 0.011	0.011	
4-Nitrophenol	< 0.054	0.054	
N-Nitroso-di-n-propylamine	< 0.011	0.011	
N-Nitrosodiphenylamine	< 0.011	0.011	
Pentachlorophenol	< 0.054	0.054	
Phenol	< 0.011	0.011	
1,2,4-Trichlorobenzene	< 0.011	0.011	
2,4,5-Trichlorophenol	< 0.011	0.011	
2,4,6-Trichlorophenol	< 0.011	0.011	
2-Fluorophenol (surrogate)	51%		
Phenol-d6 (surrogate)	76%		
Nitrobenzene-d5 (surrogate)	79%		
2-Fluorobiphenyl (surrogate)	82%		
2,4,6-Tribromophenol (surrogate)	53%		
p-Terphenyl-d14 (surrogate)	43%		
Analysis Date/Time:	11-01-07/17:38		
Analyst Initials:	bds		
Date Extracted:	10/30/2007		
Initial Sample Volume:	930 mL		
Final Volume:	1.0 mL		

PAH-SIM Analytical Batch: 110107P

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Acenaphthene	< 0.0011	0.0011	
Acenaphthylene	< 0.0011	0.0011	
Anthracene	< 0.00011	0.00011	
Benzo(a)anthracene	< 0.00011	0.00011	
Benzo(a)pyrene	< 0.00011	0.00011	
Benzo(b)fluoranthene	< 0.00011	0.00011	
Benzo(g,h,i)perylene	< 0.00011	0.00011	
Benzo(k)fluoranthene	< 0.00011	0.00011	
Chrysene	< 0.00011	0.00011	
Dibenzo(a,h)anthracene	< 0.00011	0.00011	
Fluoranthene	< 0.0011	0.0011	
Fluorene	< 0.0011	0.0011	
Indeno(1,2,3-cd)pyrene	< 0.000024	0.000024	
2-methylnaphthalene	< 0.0011	0.0011	
Naphthalene	< 0.0011	0.0011	
Phenanthrene	< 0.0011	0.0011	
Pyrene	< 0.0011	0.0011	
Analysis Date/Time:	11-01-07/18:20		
Analyst Initials:	bds		

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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225

Analytical Method: 6010/7470
Prep Method: 3010A

Client Sample ID: MW-1
Envision Sample Number: 7-14695
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 17:10
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Arsenic	< 0.01	0.01	
Cadmium	< 0.005	0.005	
Chromium	< 0.01	0.01	
Lead	< 0.01	0.01	
Mercury	< 0.002	0.002	
Nickel	< 0.05	0.05	
Zinc	< 0.05	0.05	

ICP Analysis Date/Time: 10/31/2007 12:08
Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 ml
Final Volume: 50 ml
Analytical Batch: 103107icp

Hg Analysis Date/Time: 10/30/2007 13:43
Hg Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 mL
Final Volume: 50 mL
Analytical Batch: 103007hgw



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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225
Analytical Method: 8260
Prep Method: 5030B
Analytical Batch: 110107VW
Client Sample ID: MW-2
Envision Sample Number: 7-14696
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 16:10
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Acetone	< 0.1	0.1	
Acrolein	< 0.1	0.1	
Acrylonitrile	< 0.1	0.1	
Benzene	< 0.005	0.005	
Bromobenzene	< 0.005	0.005	
Bromochloromethane	< 0.005	0.005	
Bromodichloromethane	< 0.005	0.005	
Bromoform	< 0.005	0.005	
Bromomethane	< 0.005	0.005	
n-Butanol	< 0.050	0.05	
2-Butanone (MEK)	< 0.01	0.01	
n-Butylbenzene	< 0.005	0.005	
sec-Butylbenzene	< 0.005	0.005	
tert-Butylbenzene	< 0.005	0.005	
Carbon Disulfide	< 0.005	0.005	
Carbon Tetrachloride	< 0.005	0.005	
Chlorobenzene	< 0.005	0.005	
Chloroethane	< 0.005	0.005	
2-Chloroethylvinylether	< 0.050	0.05	
Chloroform	< 0.005	0.005	
Chloromethane	< 0.005	0.005	
2-Chlorotoluene	< 0.005	0.005	
4-Chlorotoluene	< 0.005	0.005	
1,2-Dibromo-3-chloropropane	< 0.005	0.005	
Dibromochloromethane	< 0.005	0.005	
1,2-Dibromoethane (EDB)	< 0.005	0.005	
Dibromomethane	< 0.005	0.005	
1,2-Dichlorobenzene	< 0.005	0.005	
1,3-Dichlorobenzene	< 0.005	0.005	
1,4-Dichlorobenzene	< 0.005	0.005	
trans-1,4-Dichloro-2-butene	< 0.1	0.1	
Dichlorodifluoromethane	< 0.005	0.005	



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8260 continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
1,1-Dichloroethane	< 0.005	0.005	
1,2-Dichloroethane	< 0.005	0.005	
1,1-Dichloroethene	< 0.005	0.005	
cis-1,2-Dichloroethene	< 0.005	0.005	
trans-1,2-Dichloroethene	< 0.005	0.005	
1,2-Dichloropropane	< 0.005	0.005	
1,3-Dichloropropane	< 0.005	0.005	
2,2-Dichloropropane	< 0.005	0.005	
1,1-Dichloropropene	< 0.005	0.005	
cis-1,3-Dichloropropene	< 0.005	0.005	
trans-1,3-Dichloropropene	< 0.005	0.005	
Ethylbenzene	< 0.005	0.005	
Ethyl methacrylate	< 0.1	0.1	
Hexachloro-1,3-butadiene	< 0.005	0.005	
n-Hexane	< 0.01	0.01	
2-Hexanone	< 0.01	0.01	
Iodomethane	< 0.01	0.01	
Isopropylbenzene (Cumene)	< 0.005	0.005	
p-Isopropyltoluene	< 0.005	0.005	
Methylene chloride	< 0.005	0.005	
4-Methyl-2-pentanone (MIBK)	< 0.01	0.01	
Methyl-tert-butyl-ether	< 0.005	0.005	
Naphthalene	< 0.005	0.005	
n-Propylbenzene	< 0.005	0.005	
Styrene	< 0.005	0.005	
1,1,1,2-Tetrachloroethane	< 0.005	0.005	
1,1,2,2-Tetrachloroethane	< 0.005	0.005	
Tetrachloroethene	< 0.005	0.005	
Toluene	< 0.005	0.005	
1,2,3-Trichlorobenzene	< 0.005	0.005	
1,2,4-Trichlorobenzene	< 0.005	0.005	
1,1,1-Trichloroethane	< 0.005	0.005	
1,1,2-Trichloroethane	< 0.005	0.005	
Trichloroethene	< 0.005	0.005	
Trichlorofluoromethane	< 0.005	0.005	
1,2,3-Trichloropropane	< 0.005	0.005	
1,2,4-Trimethylbenzene	< 0.005	0.005	
1,3,5-Trimethylbenzene	< 0.005	0.005	
Vinyl acetate	< 0.01	0.01	
Vinyl chloride	< 0.002	0.002	
Xylene, M&P	< 0.005	0.005	
Xylene, Ortho	< 0.005	0.005	
Xylene (Total)	< 0.01	0.01	
Dibromofluoromethane (surrogate)	54.3	109%	
1,2-Dichloroethane-d4 (surrogate)	42.6	85%	
Toluene-d8 (surrogate)	50	100%	
4-bromofluorobenzene (surrogate)	56.7	113%	

Analysis Date/Time: 11/01/07/11:54

Analyst Initials

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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015M TPH-Ext C8-C36
Prep Method: 3520C
Analytical Batch: 110107E

Client Sample ID: MW-2
Envision Sample Number: 7-14696
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 16:10
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH--Extended C8-C36	< 0.1	0.1	
o-Terphenyl (surrogate)	57%		
Analysis Date/Time:	11/1/2007 22:27		
Analyst Initials:	gjd		
Date Extracted:	10/31/2007		
Initial Sample Volume:	930 mL		
Final Volume:	1.0 mL		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015 GRO

Prep Method: 5030

Analytical Batch: 103107GW

Client Sample ID: MW-2

Envision Sample Number: 7-14696

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 16:10

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH-Gasoline	< 0.22	0.22	
4-bromofluorobenzene (surrogate)	105%		
Analysis Date/Time:	10/31/07/19:58		
Analyst Initials	tjg		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8270 BNA/PAH-SIM

Prep Method: 3520C

Analytical Batch: 110107B

Client Sample ID: MW-2

Envision Sample Number: 7-14696

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 16:10

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Aniline	< 0.01	0.01	
Benzoic Acid	< 0.05	0.05	
Benzyl Alcohol	< 0.02	0.02	
4-Bromophenylphenyl ether	< 0.01	0.01	
Butylbenzylphthalate	< 0.01	0.01	
Carbazole	< 0.02	0.02	
4-Chloro-3-methylphenol	< 0.02	0.02	
4-Chloroaniline	< 0.02	0.02	
bis(2-Chloroethoxy)methane	< 0.01	0.01	
bis(2-Chloroethyl)ether	< 0.01	0.01	
bis(2-Chloroisopropyl)ether	< 0.01	0.01	
2-Chloronaphthalene	< 0.01	0.01	
2-Chlorophenol	< 0.01	0.01	
4-Chlorophenylphenyl ether	< 0.01	0.01	
Dibenzofuran	< 0.01	0.01	
1,2-Dichlorobenzene	< 0.01	0.01	
1,3-Dichlorobenzene	< 0.01	0.01	
1,4-Dichlorobenzene	< 0.01	0.01	
3,3-Dichlorobenzidine	< 0.02	0.02	
2,4-Dichlorophenol	< 0.01	0.01	
Diethylphthalate	< 0.01	0.01	
2,4-Dimethylphenol	< 0.01	0.01	
Dimethylphthalate	< 0.01	0.01	
Di-n-butylphthalate	< 0.01	0.01	
4,6-Dinitro-2-methylphenol	< 0.05	0.05	
2,4-Dinitrophenol	< 0.05	0.05	
2,4-Dinitrotoluene	< 0.01	0.01	
2,6-Dinitrotoluene	< 0.01	0.01	
Di-n-octylphthalate	< 0.01	0.01	
bis(2-Ethylhexyl)phthalate	< 0.005	0.005	
Hexachloro-1,3-butadiene	< 0.01	0.01	
Hexachlorobenzene	< 0.005	0.005	
Hexachlorocyclopentadiene	< 0.025	0.025	
Hexachloroethane	< 0.01	0.01	

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8270 Continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Isophorone	< 0.01	0.01	
2-Methylphenol (o-Cresol)	< 0.01	0.01	
3&4-Methylphenol	< 0.02	0.02	
2-Nitroaniline	< 0.05	0.05	
3-Nitroaniline	< 0.05	0.05	
4-Nitroaniline	< 0.05	0.05	
Nitrobenzene	< 0.01	0.01	
2-Nitrophenol	< 0.01	0.01	
4-Nitrophenol	< 0.05	0.05	
N-Nitroso-di-n-propylamine	< 0.01	0.01	
N-Nitrosodiphenylamine	< 0.01	0.01	
Pentachlorophenol	< 0.05	0.05	
Phenol	< 0.01	0.01	
1,2,4-Trichlorobenzene	< 0.01	0.01	
2,4,5-Trichlorophenol	< 0.01	0.01	
2,4,6-Trichlorophenol	< 0.01	0.01	
2-Fluorophenol (surrogate)	14%		
Phenol-d6 (surrogate)	63%		
Nitrobenzene-d5 (surrogate)	74%		
2-Fluorobiphenyl (surrogate)	92%		
2,4,6-Tribromophenol (surrogate)	12%		
p-Terphenyl-d14 (surrogate)	86%		
Analysis Date/Time:	11-01-07/18:11		
Analyst Initials:	bds		
Date Extracted:	10/30/2007		
Initial Sample Volume:	970 mL		
Final Volume:	1.0 mL		

PAH-SIM Analytical Batch: 110107P

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Acenaphthene	< 0.001	0.001	
Acenaphthylene	< 0.001	0.001	
Anthracene	< 0.0001	0.0001	
Benzo(a)anthracene	< 0.0001	0.0001	
Benzo(a)pyrene	< 0.0001	0.0001	
Benzo(b)fluoranthene	< 0.0001	0.0001	
Benzo(g,h,i)perylene	< 0.0001	0.0001	
Benzo(k)fluoranthene	< 0.0001	0.0001	
Chrysene	< 0.0001	0.0001	
Dibenzo(a,h)anthracene	< 0.0001	0.0001	
Fluoranthene	< 0.001	0.001	
Fluorene	< 0.001	0.001	
Indeno(1,2,3-cd)pyrene	< 0.000022	0.000022	
2-methylnaphthalene	< 0.001	0.001	
Naphthalene	< 0.001	0.001	
Phenanthrene	< 0.001	0.001	
Pyrene	< 0.001	0.001	
Analysis Date/Time:	11-01-07/18:48		
Analyst Initials:	bds		

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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225

Analytical Method: 6010/7470
Prep Method: 3010A

Client Sample ID: MW-2
Envision Sample Number: 7-14696
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 16:10
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Arsenic	< 0.01	0.01	
Cadmium	< 0.005	0.005	
Chromium	< 0.01	0.01	
Lead	< 0.01	0.01	
Mercury	< 0.002	0.002	
Nickel	< 0.05	0.05	
Zinc	< 0.05	0.05	

ICP Analysis Date/Time: 10/31/2007 12:12
Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 ml
Final Volume: 50 ml
Analytical Batch: 103107icp

Hg Analysis Date/Time: 10/30/2007 13:44
Hg Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 mL
Final Volume: 50 mL
Analytical Batch: 103007hgw



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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225
Analytical Method: 8260
Prep Method: 5030B
Analytical Batch: 110107VW
Client Sample ID: MW-3
Envision Sample Number: 7-14697
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 11:05
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Acetone	< 0.1	0.1	
Acrolein	< 0.1	0.1	
Acrylonitrile	< 0.1	0.1	
Benzene	< 0.005	0.005	
Bromobenzene	< 0.005	0.005	
Bromochloromethane	< 0.005	0.005	
Bromodichloromethane	< 0.005	0.005	
Bromoform	< 0.005	0.005	
Bromomethane	< 0.005	0.005	
n-Butanol	< 0.050	0.05	
2-Butanone (MEK)	< 0.01	0.01	
n-Butylbenzene	< 0.005	0.005	
sec-Butylbenzene	< 0.005	0.005	
tert-Butylbenzene	< 0.005	0.005	
Carbon Disulfide	< 0.005	0.005	
Carbon Tetrachloride	< 0.005	0.005	
Chlorobenzene	< 0.005	0.005	
Chloroethane	< 0.005	0.005	
2-Chloroethylvinylether	< 0.050	0.05	
Chloroform	< 0.005	0.005	
Chloromethane	< 0.005	0.005	
2-Chlorotoluene	< 0.005	0.005	
4-Chlorotoluene	< 0.005	0.005	
1,2-Dibromo-3-chloropropane	< 0.005	0.005	
Dibromochloromethane	< 0.005	0.005	
1,2-Dibromoethane (EDB)	< 0.005	0.005	
Dibromomethane	< 0.005	0.005	
1,2-Dichlorobenzene	< 0.005	0.005	
1,3-Dichlorobenzene	< 0.005	0.005	
1,4-Dichlorobenzene	< 0.005	0.005	
trans-1,4-Dichloro-2-butene	< 0.1	0.1	
Dichlorodifluoromethane	< 0.005	0.005	



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8260 continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
1,1-Dichloroethane	< 0.005	0.005	
1,2-Dichloroethane	< 0.005	0.005	
1,1-Dichloroethene	< 0.005	0.005	
cis-1,2-Dichloroethene	< 0.005	0.005	
trans-1,2-Dichloroethene	< 0.005	0.005	
1,2-Dichloropropane	< 0.005	0.005	
1,3-Dichloropropane	< 0.005	0.005	
2,2-Dichloropropane	< 0.005	0.005	
1,1-Dichloropropene	< 0.005	0.005	
cis-1,3-Dichloropropene	< 0.005	0.005	
trans-1,3-Dichloropropene	< 0.005	0.005	
Ethylbenzene	< 0.005	0.005	
Ethyl methacrylate	< 0.1	0.1	
Hexachloro-1,3-butadiene	< 0.005	0.005	
n-Hexane	< 0.01	0.01	
2-Hexanone	< 0.01	0.01	
Iodomethane	< 0.01	0.01	
Isopropylbenzene (Cumene)	< 0.005	0.005	
p-Isopropyltoluene	< 0.005	0.005	
Methylene chloride	< 0.005	0.005	
4-Methyl-2-pentanone (MIBK)	< 0.01	0.01	
Methyl-tert-butyl-ether	< 0.005	0.005	
Naphthalene	< 0.005	0.005	
n-Propylbenzene	< 0.005	0.005	
Styrene	< 0.005	0.005	
1,1,1,2-Tetrachloroethane	< 0.005	0.005	
1,1,2,2-Tetrachloroethane	< 0.005	0.005	
Tetrachloroethene	< 0.005	0.005	
Toluene	< 0.005	0.005	
1,2,3-Trichlorobenzene	< 0.005	0.005	
1,2,4-Trichlorobenzene	< 0.005	0.005	
1,1,1-Trichloroethane	< 0.005	0.005	
1,1,2-Trichloroethane	< 0.005	0.005	
Trichloroethene	< 0.005	0.005	
Trichlorofluoromethane	< 0.005	0.005	
1,2,3-Trichloropropane	< 0.005	0.005	
1,2,4-Trimethylbenzene	< 0.005	0.005	
1,3,5-Trimethylbenzene	< 0.005	0.005	
Vinyl acetate	< 0.01	0.01	
Vinyl chloride	< 0.002	0.002	
Xylene, M&P	< 0.005	0.005	
Xylene, Ortho	< 0.005	0.005	
Xylene (Total)	< 0.01	0.01	
Dibromofluoromethane (surrogate)	54.2	108%	
1,2-Dichloroethane-d4 (surrogate)	48.4	97%	
Toluene-d8 (surrogate)	49.8	100%	
4-bromofluorobenzene (surrogate)	60.3	121%	

Analysis Date/Time:

11/01/07/12:13

Analyst Initials

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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015M TPH-Ext C8-C36

Prep Method: 3520C

Analytical Batch: 110107E

Client Sample ID: MW-3

Envision Sample Number: 7-14697

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 11:05

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH--Extended C8-C36	< 0.1	0.1	
o-Terphenyl (surrogate)	80%		
Analysis Date/Time:	11/1/2007 22:57		
Analyst Initials:	gjd		
Date Extracted:	10/31/2007		
Initial Sample Volume:	980 mL		
Final Volume:	1.0 mL		



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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015 GRO
Prep Method: 5030
Analytical Batch: 103107GW

Client Sample ID: MW-3
Envision Sample Number: 7-14697
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 11:05
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH-Gasoline	< 0.22	0.22	
4-bromofluorobenzene (surrogate)	111%		
Analysis Date/Time:	10/31/07/20:18		
Analyst Initials	tjg		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8270 BNA/PAH-SIM

Prep Method: 3520C

Analytical Batch: 110107B

Client Sample ID: MW-3

Envision Sample Number: 7-14697

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 11:05

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Aniline	< 0.01	0.01	
Benzoic Acid	< 0.05	0.05	
Benzyl Alcohol	< 0.02	0.02	
4-Bromophenylphenyl ether	< 0.01	0.01	
Butylbenzylphthalate	< 0.01	0.01	
Carbazole	< 0.02	0.02	
4-Chloro-3-methylphenol	< 0.02	0.02	
4-Chloroaniline	< 0.02	0.02	
bis(2-Chloroethoxy)methane	< 0.01	0.01	
bis(2-Chloroethyl)ether	< 0.01	0.01	
bis(2-Chloroisopropyl)ether	< 0.01	0.01	
2-Chloronaphthalene	< 0.01	0.01	
2-Chlorophenol	< 0.01	0.01	
4-Chlorophenylphenyl ether	< 0.01	0.01	
Dibenzofuran	< 0.01	0.01	
1,2-Dichlorobenzene	< 0.01	0.01	
1,3-Dichlorobenzene	< 0.01	0.01	
1,4-Dichlorobenzene	< 0.01	0.01	
3,3-Dichlorobenzidine	< 0.02	0.02	
2,4-Dichlorophenol	< 0.01	0.01	
Diethylphthalate	< 0.01	0.01	
2,4-Dimethylphenol	< 0.01	0.01	
Dimethylphthalate	< 0.01	0.01	
Di-n-butylphthalate	< 0.01	0.01	
4,6-Dinitro-2-methylphenol	< 0.05	0.05	
2,4-Dinitrophenol	< 0.05	0.05	
2,4-Dinitrotoluene	< 0.01	0.01	
2,6-Dinitrotoluene	< 0.01	0.01	
Di-n-octylphthalate	< 0.01	0.01	
bis(2-Ethylhexyl)phthalate	< 0.005	0.005	
Hexachloro-1,3-butadiene	< 0.01	0.01	
Hexachlorobenzene	< 0.005	0.005	
Hexachlorocyclopentadiene	< 0.025	0.025	
Hexachloroethane	< 0.01	0.01	

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8270 Continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Isophorone	< 0.01	0.01	
2-Methylphenol (o-Cresol)	< 0.01	0.01	
3&4-Methylphenol	< 0.02	0.02	
2-Nitroaniline	< 0.05	0.05	
3-Nitroaniline	< 0.05	0.05	
4-Nitroaniline	< 0.05	0.05	
Nitrobenzene	< 0.01	0.01	
2-Nitrophenol	< 0.01	0.01	
4-Nitrophenol	< 0.05	0.05	
N-Nitroso-di-n-propylamine	< 0.01	0.01	
N-Nitrosodiphenylamine	< 0.01	0.01	
Pentachlorophenol	< 0.05	0.05	
Phenol	< 0.01	0.01	
1,2,4-Trichlorobenzene	< 0.01	0.01	
2,4,5-Trichlorophenol	< 0.01	0.01	
2,4,6-Trichlorophenol	< 0.01	0.01	
2-Fluorophenol (surrogate)	70%		
Phenol-d6 (surrogate)	92%		
Nitrobenzene-d5 (surrogate)	86%		
2-Fluorobiphenyl (surrogate)	100%		
2,4,6-Tribromophenol (surrogate)	86%		
p-Terphenyl-d14 (surrogate)	112%		
Analysis Date/Time:	11-01-07/18:44		
Analyst Initials:	bds		
Date Extracted:	10/30/2007		
Initial Sample Volume:	1000 mL		
Final Volume:	1.0 mL		

PAH-SIM Analytical Batch: 110107P

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Acenaphthene	< 0.001	0.001	
Acenaphthylene	< 0.001	0.001	
Anthracene	< 0.0001	0.0001	
Benzo(a)anthracene	< 0.0001	0.0001	
Benzo(a)pyrene	< 0.0001	0.0001	
Benzo(b)fluoranthene	< 0.0001	0.0001	
Benzo(g,h,i)perylene	< 0.0001	0.0001	
Benzo(k)fluoranthene	< 0.0001	0.0001	
Chrysene	< 0.0001	0.0001	
Dibenzo(a,h)anthracene	< 0.0001	0.0001	
Fluoranthene	< 0.001	0.001	
Fluorene	< 0.001	0.001	
Indeno(1,2,3-cd)pyrene	< 0.000022	0.000022	
2-methylnaphthalene	< 0.001	0.001	
Naphthalene	< 0.001	0.001	
Phenanthrene	< 0.001	0.001	
Pyrene	< 0.001	0.001	
Analysis Date/Time:	11-01-07/19:16		
Analyst Initials:	bds		

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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225

Analytical Method: 6010/7470
Prep Method: 3010A

Client Sample ID: MW-3
Envision Sample Number: 7-14697
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 11:05
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Arsenic	< 0.01	0.01	
Cadmium	< 0.005	0.005	
Chromium	< 0.01	0.01	
Lead	< 0.01	0.01	
Mercury	< 0.002	0.002	
Nickel	< 0.05	0.05	
Zinc	< 0.05	0.05	

ICP Analysis Date/Time: 10/31/2007 12:24
Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 ml
Final Volume: 50 ml
Analytical Batch: 103107icp

Hg Analysis Date/Time: 10/30/2007 13:46
Hg Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 mL
Final Volume: 50 mL
Analytical Batch: 103007hgw



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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVISSION Project Number: 2007-2225
Analytical Method: 8260
Prep Method: 5030B
Analytical Batch: 110107VW

Client Sample ID: MW-4
Envision Sample Number: 7-14698
Sample Matrix: water
Sample Collection Date/Time: 10/29/07 13:30
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Acetone	< 0.1	0.1	
Acrolein	< 0.1	0.1	
Acrylonitrile	< 0.1	0.1	
Benzene	< 0.005	0.005	
Bromobenzene	< 0.005	0.005	
Bromochloromethane	< 0.005	0.005	
Bromodichloromethane	< 0.005	0.005	
Bromoform	< 0.005	0.005	
Bromomethane	< 0.005	0.005	
n-Butanol	< 0.050	0.05	
2-Butanone (MEK)	< 0.01	0.01	
n-Butylbenzene	< 0.005	0.005	
sec-Butylbenzene	< 0.005	0.005	
tert-Butylbenzene	< 0.005	0.005	
Carbon Disulfide	< 0.005	0.005	
Carbon Tetrachloride	< 0.005	0.005	
Chlorobenzene	< 0.005	0.005	
Chloroethane	< 0.005	0.005	
2-Chloroethylvinylether	< 0.050	0.05	
Chloroform	< 0.005	0.005	
Chloromethane	< 0.005	0.005	
2-Chlorotoluene	< 0.005	0.005	
4-Chlorotoluene	< 0.005	0.005	
1,2-Dibromo-3-chloropropane	< 0.005	0.005	
Dibromochloromethane	< 0.005	0.005	
1,2-Dibromoethane (EDB)	< 0.005	0.005	
Dibromomethane	< 0.005	0.005	
1,2-Dichlorobenzene	< 0.005	0.005	
1,3-Dichlorobenzene	< 0.005	0.005	
1,4-Dichlorobenzene	< 0.005	0.005	
trans-1,4-Dichloro-2-butene	< 0.1	0.1	
Dichlorodifluoromethane	< 0.005	0.005	



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8260 continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
1,1-Dichloroethane	< 0.005	0.005	
1,2-Dichloroethane	< 0.005	0.005	
1,1-Dichloroethene	< 0.005	0.005	
cis-1,2-Dichloroethene	< 0.005	0.005	
trans-1,2-Dichloroethene	< 0.005	0.005	
1,2-Dichloropropane	< 0.005	0.005	
1,3-Dichloropropane	< 0.005	0.005	
2,2-Dichloropropane	< 0.005	0.005	
1,1-Dichloropropene	< 0.005	0.005	
cis-1,3-Dichloropropene	< 0.005	0.005	
trans-1,3-Dichloropropene	< 0.005	0.005	
Ethylbenzene	< 0.005	0.005	
Ethyl methacrylate	< 0.1	0.1	
Hexachloro-1,3-butadiene	< 0.005	0.005	
n-Hexane	< 0.01	0.01	
2-Hexanone	< 0.01	0.01	
Iodomethane	< 0.01	0.01	
Isopropylbenzene (Cumene)	< 0.005	0.005	
p-Isopropyltoluene	< 0.005	0.005	
Methylene chloride	< 0.005	0.005	
4-Methyl-2-pentanone (MIBK)	< 0.01	0.01	
Methyl-tert-butyl-ether	0.063	0.005	
Naphthalene	< 0.005	0.005	
n-Propylbenzene	< 0.005	0.005	
Styrene	< 0.005	0.005	
1,1,1,2-Tetrachloroethane	< 0.005	0.005	
1,1,2,2-Tetrachloroethane	< 0.005	0.005	
Tetrachloroethene	< 0.005	0.005	
Toluene	< 0.005	0.005	
1,2,3-Trichlorobenzene	< 0.005	0.005	
1,2,4-Trichlorobenzene	< 0.005	0.005	
1,1,1-Trichloroethane	< 0.005	0.005	
1,1,2-Trichloroethane	< 0.005	0.005	
Trichloroethene	< 0.005	0.005	
Trichlorofluoromethane	< 0.005	0.005	
1,2,3-Trichloropropane	< 0.005	0.005	
1,2,4-Trimethylbenzene	< 0.005	0.005	
1,3,5-Trimethylbenzene	< 0.005	0.005	
Vinyl acetate	< 0.01	0.01	
Vinyl chloride	< 0.002	0.002	
Xylene, M&P	< 0.005	0.005	
Xylene, Ortho	< 0.005	0.005	
Xylene (Total)	< 0.01	0.01	
Dibromofluoromethane (surrogate)	54.3	109%	
1,2-Dichloroethane-d4 (surrogate)	46.4	93%	
Toluene-d8 (surrogate)	49.5	99%	
4-bromofluorobenzene (surrogate)	54	108%	

Analysis Date/Time:

11/01/07/12:32

Analyst Initials

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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVISSION Project Number: 2007-2225

Analytical Method: 8015M TPH-Ext C8-C36

Prep Method: 3520C

Analytical Batch: 110107E

Client Sample ID: MW-4

Envision Sample Number: 7-14698

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 13:30

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH--Extended C8-C36	1.20	0.1	
o-Terphenyl (surrogate)	98%		
Analysis Date/Time:	11/1/2007 23:26		
Analyst Initials:	gjd		
Date Extracted:	10/31/2007		
Initial Sample Volume:	980 mL		
Final Volume:	1.0 mL		



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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225
Analytical Method: 8015 GRO
Prep Method: 5030
Analytical Batch: 103107GW

Client Sample ID: MW-4
Envision Sample Number: 7-14698
Sample Matrix: water
Sample Collection Date/Time: 10/29/07 13:30
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH-Gasoline	< 0.22	0.22	
4-bromofluorobenzene (surrogate)	106%		
Analysis Date/Time:	10/31/07/20:37		
Analyst Initials	tjg		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8270 BNA/PAH-SIM

Prep Method: 3520C

Analytical Batch: 110107B

Client Sample ID: MW-4

Envision Sample Number: 7-14698

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 13:30

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Aniline	< 0.01	0.01	
Benzoic Acid	< 0.05	0.05	
Benzyl Alcohol	< 0.02	0.02	
4-Bromophenylphenyl ether	< 0.01	0.01	
Butylbenzylphthalate	< 0.01	0.01	
Carbazole	< 0.02	0.02	
4-Chloro-3-methylphenol	< 0.02	0.02	
4-Chloroaniline	< 0.02	0.02	
bis(2-Chloroethoxy)methane	< 0.01	0.01	
bis(2-Chloroethyl)ether	< 0.01	0.01	
bis(2-Chloroisopropyl)ether	< 0.01	0.01	
2-Chloronaphthalene	< 0.01	0.01	
2-Chlorophenol	< 0.01	0.01	
4-Chlorophenylphenyl ether	< 0.01	0.01	
Dibenzofuran	< 0.01	0.01	
1,2-Dichlorobenzene	< 0.01	0.01	
1,3-Dichlorobenzene	< 0.01	0.01	
1,4-Dichlorobenzene	< 0.01	0.01	
3,3-Dichlorobenzidine	< 0.02	0.02	
2,4-Dichlorophenol	< 0.01	0.01	
Diethylphthalate	< 0.01	0.01	
2,4-Dimethylphenol	< 0.01	0.01	
Dimethylphthalate	< 0.01	0.01	
Di-n-butylphthalate	< 0.01	0.01	
4,6-Dinitro-2-methylphenol	< 0.05	0.05	
2,4-Dinitrophenol	< 0.05	0.05	
2,4-Dinitrotoluene	< 0.01	0.01	
2,6-Dinitrotoluene	< 0.01	0.01	
Di-n-octylphthalate	< 0.01	0.01	
bis(2-Ethylhexyl)phthalate	< 0.005	0.005	
Hexachloro-1,3-butadiene	< 0.01	0.01	
Hexachlorobenzene	< 0.005	0.005	
Hexachlorocyclopentadiene	< 0.025	0.025	
Hexachloroethane	< 0.01	0.01	

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8270 Continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Isophorone	< 0.01	0.01	
2-Methylphenol (o-Cresol)	< 0.01	0.01	
3&4-Methylphenol	< 0.02	0.02	
2-Nitroaniline	< 0.05	0.05	
3-Nitroaniline	< 0.05	0.05	
4-Nitroaniline	< 0.05	0.05	
Nitrobenzene	< 0.01	0.01	
2-Nitrophenol	< 0.01	0.01	
4-Nitrophenol	< 0.05	0.05	
N-Nitroso-di-n-propylamine	< 0.01	0.01	
N-Nitrosodiphenylamine	< 0.01	0.01	
Pentachlorophenol	< 0.05	0.05	
Phenol	< 0.01	0.01	
1,2,4-Trichlorobenzene	< 0.01	0.01	
2,4,5-Trichlorophenol	< 0.01	0.01	
2,4,6-Trichlorophenol	< 0.01	0.01	
2-Fluorophenol (surrogate)	54%		
Phenol-d6 (surrogate)	77%		
Nitrobenzene-d5 (surrogate)	88%		
2-Fluorobiphenyl (surrogate)	92%		
2,4,6-Tribromophenol (surrogate)	87%		
p-Terphenyl-d14 (surrogate)	98%		
Analysis Date/Time:	11-01-07/19:16		
Analyst Initials:	bds		
Date Extracted:	10/30/2007		
Initial Sample Volume:	1000 mL		
Final Volume:	1.0 mL		

PAH-SIM Analytical Batch: 110107P

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Acenaphthene	< 0.001	0.001	
Acenaphthylene	< 0.001	0.001	
Anthracene	< 0.0001	0.0001	
Benzo(a)anthracene	< 0.0001	0.0001	
Benzo(a)pyrene	< 0.0001	0.0001	
Benzo(b)fluoranthene	< 0.0001	0.0001	
Benzo(g,h,i)perylene	< 0.0001	0.0001	
Benzo(k)fluoranthene	< 0.0001	0.0001	
Chrysene	< 0.0001	0.0001	
Dibenzo(a,h)anthracene	< 0.0001	0.0001	
Fluoranthene	< 0.001	0.001	
Fluorene	< 0.001	0.001	
Indeno(1,2,3-cd)pyrene	< 0.000022	0.000022	
2-methylnaphthalene	< 0.001	0.001	
Naphthalene	< 0.001	0.001	
Phenanthrene	< 0.001	0.001	
Pyrene	< 0.001	0.001	
Analysis Date/Time:	11-01-07/19:44		
Analyst Initials:	bds		

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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225

Analytical Method: 6010/7470
Prep Method: 3010A

Client Sample ID: MW-4
Envision Sample Number: 7-14698
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 13:30
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Arsenic	< 0.01	0.01	
Cadmium	< 0.005	0.005	
Chromium	< 0.01	0.01	
Lead	< 0.01	0.01	
Mercury	< 0.002	0.002	
Nickel	< 0.05	0.05	
Zinc	< 0.05	0.05	

ICP Analysis Date/Time: 10/31/2007 12:28
Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 ml
Final Volume: 50 ml
Analytical Batch: 103107icp

Hg Analysis Date/Time: 10/30/2007 13:48
Hg Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 mL
Final Volume: 50 mL
Analytical Batch: 103007hgw



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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225
Analytical Method: 8260
Prep Method: 5030B
Analytical Batch: 110107VW

Client Sample ID: MW-5
Envision Sample Number: 7-14699
Sample Matrix: water
Sample Collection Date/Time: 10/29/07 14:44
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Acetone	< 0.1	0.1	
Acrolein	< 0.1	0.1	
Acrylonitrile	< 0.1	0.1	
Benzene	< 0.005	0.005	
Bromobenzene	< 0.005	0.005	
Bromochloromethane	< 0.005	0.005	
Bromodichloromethane	< 0.005	0.005	
Bromoform	< 0.005	0.005	
Bromomethane	< 0.005	0.005	
n-Butanol	< 0.050	0.05	
2-Butanone (MEK)	< 0.01	0.01	
n-Butylbenzene	< 0.005	0.005	
sec-Butylbenzene	< 0.005	0.005	
tert-Butylbenzene	< 0.005	0.005	
Carbon Disulfide	< 0.005	0.005	
Carbon Tetrachloride	< 0.005	0.005	
Chlorobenzene	< 0.005	0.005	
Chloroethane	< 0.005	0.005	
2-Chloroethylvinylether	< 0.050	0.05	
Chloroform	< 0.005	0.005	
Chloromethane	< 0.005	0.005	
2-Chlorotoluene	< 0.005	0.005	
4-Chlorotoluene	< 0.005	0.005	
1,2-Dibromo-3-chloropropane	< 0.005	0.005	
Dibromochloromethane	< 0.005	0.005	
1,2-Dibromoethane (EDB)	< 0.005	0.005	
Dibromomethane	< 0.005	0.005	
1,2-Dichlorobenzene	< 0.005	0.005	
1,3-Dichlorobenzene	< 0.005	0.005	
1,4-Dichlorobenzene	< 0.005	0.005	
trans-1,4-Dichloro-2-butene	< 0.1	0.1	
Dichlorodifluoromethane	< 0.005	0.005	



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8260 continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
1,1-Dichloroethane	< 0.005	0.005	
1,2-Dichloroethane	< 0.005	0.005	
1,1-Dichloroethene	< 0.005	0.005	
cis-1,2-Dichloroethene	< 0.005	0.005	
trans-1,2-Dichloroethene	< 0.005	0.005	
1,2-Dichloropropane	< 0.005	0.005	
1,3-Dichloropropane	< 0.005	0.005	
2,2-Dichloropropane	< 0.005	0.005	
1,1-Dichloropropene	< 0.005	0.005	
cis-1,3-Dichloropropene	< 0.005	0.005	
trans-1,3-Dichloropropene	< 0.005	0.005	
Ethylbenzene	< 0.005	0.005	
Ethyl methacrylate	< 0.1	0.1	
Hexachloro-1,3-butadiene	< 0.005	0.005	
n-Hexane	< 0.01	0.01	
2-Hexanone	< 0.01	0.01	
Iodomethane	< 0.01	0.01	
Isopropylbenzene (Cumene)	< 0.005	0.005	
p-Isopropyltoluene	< 0.005	0.005	
Methylene chloride	< 0.005	0.005	
4-Methyl-2-pentanone (MIBK)	< 0.01	0.01	
Methyl-tert-butyl-ether	< 0.005	0.005	
Naphthalene	< 0.005	0.005	
n-Propylbenzene	< 0.005	0.005	
Styrene	< 0.005	0.005	
1,1,1,2-Tetrachloroethane	< 0.005	0.005	
1,1,2,2-Tetrachloroethane	< 0.005	0.005	
Tetrachloroethene	< 0.005	0.005	
Toluene	< 0.005	0.005	
1,2,3-Trichlorobenzene	< 0.005	0.005	
1,2,4-Trichlorobenzene	< 0.005	0.005	
1,1,1-Trichloroethane	< 0.005	0.005	
1,1,2-Trichloroethane	< 0.005	0.005	
Trichloroethene	< 0.005	0.005	
Trichlorofluoromethane	< 0.005	0.005	
1,2,3-Trichloropropane	< 0.005	0.005	
1,2,4-Trimethylbenzene	< 0.005	0.005	
1,3,5-Trimethylbenzene	< 0.005	0.005	
Vinyl acetate	< 0.01	0.01	
Vinyl chloride	< 0.002	0.002	
Xylene, M&P	< 0.005	0.005	
Xylene, Ortho	< 0.005	0.005	
Xylene (Total)	< 0.01	0.01	
Dibromofluoromethane (surrogate)	55.7	111%	
1,2-Dichloroethane-d4 (surrogate)	49.4	99%	
Toluene-d8 (surrogate)	50.3	101%	
4-bromofluorobenzene (surrogate)	57.2	114%	

Analysis Date/Time: 11/01/07/12:51

Analyst Initials

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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson

ENVISSION Project Number: 2007-2225

Analytical Method: 8015M TPH-Ext C8-C36
Prep Method: 3520C
Analytical Batch: 110107E

Client Sample ID: MW-5
Envision Sample Number: 7-14699
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 14:44
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH--Extended C8-C36	0.32	0.1	
o-Terphenyl (surrogate)	74%		
Analysis Date/Time:	11/1/2007 23:55		
Analyst Initials:	gjd		
Date Extracted:	10/31/2007		
Initial Sample Volume:	930 mL		
Final Volume:	1.0 mL		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015 GRO

Prep Method: 5030

Analytical Batch: 103107GW

Client Sample ID: MW-5

Envision Sample Number: 7-14699

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 14:44

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH-Gasoline	< 0.22	0.22	
4-bromofluorobenzene (surrogate)	106%		
Analysis Date/Time:	10/31/07/20:56		
Analyst Initials	tjg		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8270 BNA/PAH-SIM

Prep Method: 3520C

Analytical Batch: 110107B

Client Sample ID: MW-5

Envision Sample Number: 7-14699

Sample Matrix: water

Sample Collection Date/Time: 10/29/07 14:44

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Aniline	< 0.011	0.011	
Benzoic Acid	< 0.057	0.057	
Benzyl Alcohol	< 0.023	0.023	
4-Bromophenylphenyl ether	< 0.011	0.011	
Butylbenzylphthalate	< 0.011	0.011	
Carbazole	< 0.023	0.023	
4-Chloro-3-methylphenol	< 0.023	0.023	
4-Chloroaniline	< 0.023	0.023	
bis(2-Chloroethoxy)methane	< 0.011	0.011	
bis(2-Chloroethyl)ether	< 0.011	0.011	
bis(2-Chloroisopropyl)ether	< 0.011	0.011	
2-Chloronaphthalene	< 0.011	0.011	
2-Chlorophenol	< 0.011	0.011	
4-Chlorophenylphenyl ether	< 0.011	0.011	
Dibenzofuran	< 0.011	0.011	
1,2-Dichlorobenzene	< 0.011	0.011	
1,3-Dichlorobenzene	< 0.011	0.011	
1,4-Dichlorobenzene	< 0.011	0.011	
3,3-Dichlorobenzidine	< 0.023	0.023	
2,4-Dichlorophenol	< 0.011	0.011	
Diethylphthalate	< 0.011	0.011	
2,4-Dimethylphenol	< 0.011	0.011	
Dimethylphthalate	< 0.011	0.011	
Di-n-butylphthalate	< 0.011	0.011	
4,6-Dinitro-2-methylphenol	< 0.057	0.057	
2,4-Dinitrophenol	< 0.057	0.057	
2,4-Dinitrotoluene	< 0.011	0.011	
2,6-Dinitrotoluene	< 0.011	0.011	
Di-n-octylphthalate	< 0.011	0.011	
bis(2-Ethylhexyl)phthalate	< 0.0057	0.0057	
Hexachloro-1,3-butadiene	< 0.011	0.011	
Hexachlorobenzene	< 0.0057	0.0057	
Hexachlorocyclopentadiene	< 0.028	0.028	
Hexachloroethane	< 0.011	0.011	

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8270 Continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Isophorone	< 0.011	0.011	
2-Methylphenol (o-Cresol)	< 0.011	0.011	
3&4-Methylphenol	< 0.023	0.023	
2-Nitroaniline	< 0.057	0.057	
3-Nitroaniline	< 0.057	0.057	
4-Nitroaniline	< 0.057	0.057	
Nitrobenzene	< 0.011	0.011	
2-Nitrophenol	< 0.011	0.011	
4-Nitrophenol	< 0.057	0.057	
N-Nitroso-di-n-propylamine	< 0.011	0.011	
N-Nitrosodiphenylamine	< 0.011	0.011	
Pentachlorophenol	< 0.057	0.057	
Phenol	< 0.011	0.011	
1,2,4-Trichlorobenzene	< 0.011	0.011	
2,4,5-Trichlorophenol	< 0.011	0.011	
2,4,6-Trichlorophenol	< 0.011	0.011	
2-Fluorophenol (surrogate)	17%		
Phenol-d6 (surrogate)	68%		
Nitrobenzene-d5 (surrogate)	81%		
2-Fluorobiphenyl (surrogate)	100%		
2,4,6-Tribromophenol (surrogate)	17%		
p-Terphenyl-d14 (surrogate)	66%		
Analysis Date/Time:	11-01-07/19:48		
Analyst Initials:	bds		
Date Extracted:	10/30/2007		
Initial Sample Volume:	880 mL		
Final Volume:	1.0 mL		

PAH-SIM Analytical Batch: 110107P

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Acenaphthene	< 0.0011	0.0011	
Acenaphthylene	< 0.0011	0.0011	
Anthracene	< 0.00011	0.00011	
Benzo(a)anthracene	< 0.00011	0.00011	
Benzo(a)pyrene	< 0.00011	0.00011	
Benzo(b)fluoranthene	< 0.00011	0.00011	
Benzo(g,h,i)perylene	< 0.00011	0.00011	
Benzo(k)fluoranthene	< 0.00011	0.00011	
Chrysene	< 0.00011	0.00011	
Dibenzo(a,h)anthracene	< 0.00011	0.00011	
Fluoranthene	< 0.0011	0.0011	
Fluorene	< 0.0011	0.0011	
Indeno(1,2,3-cd)pyrene	< 0.000027	0.000027	
2-methylnaphthalene	< 0.0011	0.0011	
Naphthalene	< 0.0011	0.0011	
Phenanthrene	< 0.0011	0.0011	
Pyrene	< 0.0011	0.0011	
Analysis Date/Time:	11-01-07/20:11		
Analyst Initials:	bds		

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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225

Analytical Method: 6010/7470
Prep Method: 3010A

Client Sample ID: MW-5
Envision Sample Number: 7-14699
Sample Matrix: water

Sample Collection Date/Time: 10/29/07 14:44
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Arsenic	0.02	0.01	
Cadmium	< 0.005	0.005	
Chromium	< 0.01	0.01	
Lead	< 0.01	0.01	
Mercury	< 0.002	0.002	
Nickel	< 0.05	0.05	
Zinc	< 0.05	0.05	

ICP Analysis Date/Time: 10/31/2007 12:32
Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 ml
Final Volume: 50 ml
Analytical Batch: 103107icp

Hg Analysis Date/Time: 10/30/2007 13:49
Hg Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 mL
Final Volume: 50 mL
Analytical Batch: 103007hgw



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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVISSION Project Number: 2007-2225
Analytical Method: 8260
Prep Method: 5030B
Analytical Batch: 110107VW
Client Sample ID: DUP
Envision Sample Number: 7-14700
Sample Matrix: water

Sample Collection Date/Time: 10/29/07
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Acetone	< 0.1	0.1	
Acrolein	< 0.1	0.1	
Acrylonitrile	< 0.1	0.1	
Benzene	< 0.005	0.005	
Bromobenzene	< 0.005	0.005	
Bromochloromethane	< 0.005	0.005	
Bromodichloromethane	< 0.005	0.005	
Bromoform	< 0.005	0.005	
Bromomethane	< 0.005	0.005	
n-Butanol	< 0.050	0.05	
2-Butanone (MEK)	< 0.01	0.01	
n-Butylbenzene	< 0.005	0.005	
sec-Butylbenzene	< 0.005	0.005	
tert-Butylbenzene	< 0.005	0.005	
Carbon Disulfide	< 0.005	0.005	
Carbon Tetrachloride	< 0.005	0.005	
Chlorobenzene	< 0.005	0.005	
Chloroethane	< 0.005	0.005	
2-Chloroethylvinylether	< 0.050	0.05	
Chloroform	< 0.005	0.005	
Chloromethane	< 0.005	0.005	
2-Chlorotoluene	< 0.005	0.005	
4-Chlorotoluene	< 0.005	0.005	
1,2-Dibromo-3-chloropropane	< 0.005	0.005	
Dibromochloromethane	< 0.005	0.005	
1,2-Dibromoethane (EDB)	< 0.005	0.005	
Dibromomethane	< 0.005	0.005	
1,2-Dichlorobenzene	< 0.005	0.005	
1,3-Dichlorobenzene	< 0.005	0.005	
1,4-Dichlorobenzene	< 0.005	0.005	
trans-1,4-Dichloro-2-butene	< 0.1	0.1	
Dichlorodifluoromethane	< 0.005	0.005	



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8260 continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
1,1-Dichloroethane	< 0.005	0.005	
1,2-Dichloroethane	< 0.005	0.005	
1,1-Dichloroethene	< 0.005	0.005	
cis-1,2-Dichloroethene	< 0.005	0.005	
trans-1,2-Dichloroethene	< 0.005	0.005	
1,2-Dichloropropane	< 0.005	0.005	
1,3-Dichloropropane	< 0.005	0.005	
2,2-Dichloropropane	< 0.005	0.005	
1,1-Dichloropropene	< 0.005	0.005	
cis-1,3-Dichloropropene	< 0.005	0.005	
trans-1,3-Dichloropropene	< 0.005	0.005	
Ethylbenzene	< 0.005	0.005	
Ethyl methacrylate	< 0.1	0.1	
Hexachloro-1,3-butadiene	< 0.005	0.005	
n-Hexane	< 0.01	0.01	
2-Hexanone	< 0.01	0.01	
Iodomethane	< 0.01	0.01	
Isopropylbenzene (Cumene)	< 0.005	0.005	
p-Isopropyltoluene	< 0.005	0.005	
Methylene chloride	< 0.005	0.005	
4-Methyl-2-pentanone (MIBK)	< 0.01	0.01	
Methyl-tert-butyl-ether	< 0.005	0.005	
Naphthalene	< 0.005	0.005	
n-Propylbenzene	< 0.005	0.005	
Styrene	< 0.005	0.005	
1,1,1,2-Tetrachloroethane	< 0.005	0.005	
1,1,2,2-Tetrachloroethane	< 0.005	0.005	
Tetrachloroethene	< 0.005	0.005	
Toluene	< 0.005	0.005	
1,2,3-Trichlorobenzene	< 0.005	0.005	
1,2,4-Trichlorobenzene	< 0.005	0.005	
1,1,1-Trichloroethane	< 0.005	0.005	
1,1,2-Trichloroethane	< 0.005	0.005	
Trichloroethene	< 0.005	0.005	
Trichlorofluoromethane	< 0.005	0.005	
1,2,3-Trichloropropane	< 0.005	0.005	
1,2,4-Trimethylbenzene	< 0.005	0.005	
1,3,5-Trimethylbenzene	< 0.005	0.005	
Vinyl acetate	< 0.01	0.01	
Vinyl chloride	< 0.002	0.002	
Xylene, M&P	< 0.005	0.005	
Xylene, Ortho	< 0.005	0.005	
Xylene (Total)	< 0.01	0.01	
Dibromofluoromethane (surrogate)	55.4	111%	
1,2-Dichloroethane-d4 (surrogate)	51.7	103%	
Toluene-d8 (surrogate)	49.5	99%	
4-bromofluorobenzene (surrogate)	61.3	123%	

Analysis Date/Time:

11/01/07/13:10

Analyst Initials

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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015M TPH-Ext C8-C36

Prep Method: 3520C

Analytical Batch: 110107E

Client Sample ID: DUP

Envision Sample Number: 7-14700

Sample Matrix: water

Sample Collection Date/Time: 10/29/07

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH--Extended C8-C36	0.35	0.1	
o-Terphenyl (surrogate)	65%		
Analysis Date/Time:	11/2/2007 0:25		
Analyst Initials:	gjd		
Date Extracted:	10/31/2007		
Initial Sample Volume:	930 mL		
Final Volume:	1.0 mL		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8015 GRO

Prep Method: 5030

Analytical Batch: 103107GW

Client Sample ID: DUP

Envision Sample Number: 7-14700

Sample Matrix: water

Sample Collection Date/Time: 10/29/07

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
TPH-Gasoline	< 0.22	0.22	
4-bromofluorobenzene (surrogate)	107%		
Analysis Date/Time:	10/31/07/21:19		
Analyst Initials	tjg		



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Client Name: AVANT Group

Project ID: Ft Wayne / Omni

Client Project Manager: Mark Anderson

ENVision Project Number: 2007-2225

Analytical Method: 8270 BNA/PAH-SIM

Prep Method: 3520C

Analytical Batch: 110107B

Client Sample ID: DUP

Envision Sample Number: 7-14700

Sample Matrix: water

Sample Collection Date/Time: 10/29/07

Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Aniline	< 0.011	0.011	
Benzoic Acid	< 0.054	0.054	
Benzyl Alcohol	< 0.022	0.022	
4-Bromophenylphenyl ether	< 0.011	0.011	
Butylbenzylphthalate	< 0.011	0.011	
Carbazole	< 0.022	0.022	
4-Chloro-3-methylphenol	< 0.022	0.022	
4-Chloroaniline	< 0.022	0.022	
bis(2-Chloroethoxy)methane	< 0.011	0.011	
bis(2-Chloroethyl)ether	< 0.011	0.011	
bis(2-Chloroisopropyl)ether	< 0.011	0.011	
2-Chloronaphthalene	< 0.011	0.011	
2-Chlorophenol	< 0.011	0.011	
4-Chlorophenylphenyl ether	< 0.011	0.011	
Dibenzofuran	< 0.011	0.011	
1,2-Dichlorobenzene	< 0.011	0.011	
1,3-Dichlorobenzene	< 0.011	0.011	
1,4-Dichlorobenzene	< 0.011	0.011	
3,3-Dichlorobenzidine	< 0.022	0.022	
2,4-Dichlorophenol	< 0.011	0.011	
Diethylphthalate	< 0.011	0.011	
2,4-Dimethylphenol	< 0.011	0.011	
Dimethylphthalate	< 0.011	0.011	
Di-n-butylphthalate	< 0.011	0.011	
4,6-Dinitro-2-methylphenol	< 0.054	0.054	
2,4-Dinitrophenol	< 0.054	0.054	
2,4-Dinitrotoluene	< 0.011	0.011	
2,6-Dinitrotoluene	< 0.011	0.011	
Di-n-octylphthalate	< 0.011	0.011	
bis(2-Ethylhexyl)phthalate	< 0.0054	0.0054	
Hexachloro-1,3-butadiene	< 0.011	0.011	
Hexachlorobenzene	< 0.0054	0.0054	
Hexachlorocyclopentadiene	< 0.027	0.027	
Hexachloroethane	< 0.011	0.011	

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8270 Continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Isophorone	< 0.011	0.011	
2-Methylphenol (o-Cresol)	< 0.011	0.011	
3&4-Methylphenol	< 0.022	0.022	
2-Nitroaniline	< 0.054	0.054	
3-Nitroaniline	< 0.054	0.054	
4-Nitroaniline	< 0.054	0.054	
Nitrobenzene	< 0.011	0.011	
2-Nitrophenol	< 0.011	0.011	
4-Nitrophenol	< 0.054	0.054	
N-Nitroso-di-n-propylamine	< 0.011	0.011	
N-Nitrosodiphenylamine	< 0.011	0.011	
Pentachlorophenol	< 0.054	0.054	
Phenol	< 0.011	0.011	
1,2,4-Trichlorobenzene	< 0.011	0.011	
2,4,5-Trichlorophenol	< 0.011	0.011	
2,4,6-Trichlorophenol	< 0.011	0.011	
2-Fluorophenol (surrogate)	29%		
Phenol-d6 (surrogate)	43%		
Nitrobenzene-d5 (surrogate)	63%		
2-Fluorobiphenyl (surrogate)	34%		
2,4,6-Tribromophenol (surrogate)	1%		1
p-Terphenyl-d14 (surrogate)	14%		
Analysis Date/Time:	11-01-07/20:20		
Analyst Initials:	bds		
Date Extracted:	10/30/2007		
Initial Sample Volume:	930 mL		
Final Volume:	1.0 mL		

PAH-SIM Analytical Batch: 110107P

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/L)</u>	<u>Flags</u>
Acenaphthene	< 0.0011	0.0011	
Acenaphthylene	< 0.0011	0.0011	
Anthracene	< 0.00011	0.00011	
Benzo(a)anthracene	0.00023	0.00011	
Benzo(a)pyrene	0.00012	0.00011	
Benzo(b)fluoranthene	0.00039	0.00011	
Benzo(g,h,i)perylene	< 0.00011	0.00011	
Benzo(k)fluoranthene	< 0.00011	0.00011	
Chrysene	0.00024	0.00011	
Dibenzo(a,h)anthracene	< 0.00011	0.00011	
Fluoranthene	< 0.0011	0.0011	
Fluorene	< 0.0011	0.0011	
Indeno(1,2,3-cd)pyrene	< 0.000024	0.000024	
2-methylnaphthalene	< 0.0011	0.0011	
Naphthalene	< 0.0011	0.0011	
Phenanthrene	< 0.0011	0.0011	
Pyrene	< 0.0011	0.0011	
Analysis Date/Time:	11-01-07/20:39		
Analyst Initials:	bds		

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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225

Analytical Method: 6010/7470
Prep Method: 3010A

Client Sample ID: DUP
Envision Sample Number: 7-14700
Sample Matrix: water

Sample Collection Date/Time: 10/29/07
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Arsenic	< 0.01	0.01	
Cadmium	< 0.005	0.005	
Chromium	< 0.01	0.01	
Lead	< 0.01	0.01	
Mercury	< 0.002	0.002	
Nickel	< 0.05	0.05	
Zinc	< 0.05	0.05	

ICP Analysis Date/Time: 10/31/2007 12:36
Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 ml
Final Volume: 50 ml
Analytical Batch: 103107icp

Hg Analysis Date/Time: 10/30/2007 13:51
Hg Analyst Initials: gjd
Date Digested: 10/30/2007
Initial Sample Volume: 50 mL
Final Volume: 50 mL
Analytical Batch: 103007hgw



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Client Name: AVANT Group
Project ID: Ft Wayne / Omni
Client Project Manager: Mark Anderson
ENVision Project Number: 2007-2225
Analytical Method: 8260
Prep Method: 5030B
Analytical Batch: 110107VW

Client Sample ID: TRIP BLANK
Envision Sample Number: 7-14701
Sample Matrix: water
Sample Collection Date/Time: 10/29/07
Sample Received Date/Time: 10/30/07 9:50

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
Acetone	< 0.1	0.1	
Acrolein	< 0.1	0.1	
Acrylonitrile	< 0.1	0.1	
Benzene	< 0.005	0.005	
Bromobenzene	< 0.005	0.005	
Bromochloromethane	< 0.005	0.005	
Bromodichloromethane	< 0.005	0.005	
Bromoform	< 0.005	0.005	
Bromomethane	< 0.005	0.005	
n-Butanol	< 0.050	0.05	
2-Butanone (MEK)	< 0.01	0.01	
n-Butylbenzene	< 0.005	0.005	
sec-Butylbenzene	< 0.005	0.005	
tert-Butylbenzene	< 0.005	0.005	
Carbon Disulfide	< 0.005	0.005	
Carbon Tetrachloride	< 0.005	0.005	
Chlorobenzene	< 0.005	0.005	
Chloroethane	< 0.005	0.005	
2-Chloroethylvinylether	< 0.050	0.05	
Chloroform	< 0.005	0.005	
Chloromethane	< 0.005	0.005	
2-Chlorotoluene	< 0.005	0.005	
4-Chlorotoluene	< 0.005	0.005	
1,2-Dibromo-3-chloropropane	< 0.005	0.005	
Dibromochloromethane	< 0.005	0.005	
1,2-Dibromoethane (EDB)	< 0.005	0.005	
Dibromomethane	< 0.005	0.005	
1,2-Dichlorobenzene	< 0.005	0.005	
1,3-Dichlorobenzene	< 0.005	0.005	
1,4-Dichlorobenzene	< 0.005	0.005	
trans-1,4-Dichloro-2-butene	< 0.1	0.1	
Dichlorodifluoromethane	< 0.005	0.005	



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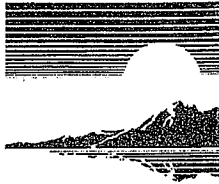
8260 continued...

<u>Compounds</u>	<u>Sample Results (mg/L)</u>	<u>Reporting Limit (mg/l)</u>	<u>Flags</u>
1,1-Dichloroethane	< 0.005	0.005	
1,2-Dichloroethane	< 0.005	0.005	
1,1-Dichloroethene	< 0.005	0.005	
cis-1,2-Dichloroethene	< 0.005	0.005	
trans-1,2-Dichloroethene	< 0.005	0.005	
1,2-Dichloropropane	< 0.005	0.005	
1,3-Dichloropropane	< 0.005	0.005	
2,2-Dichloropropane	< 0.005	0.005	
1,1-Dichloropropene	< 0.005	0.005	
cis-1,3-Dichloropropene	< 0.005	0.005	
trans-1,3-Dichloropropene	< 0.005	0.005	
Ethylbenzene	< 0.005	0.005	
Ethyl methacrylate	< 0.1	0.1	
Hexachloro-1,3-butadiene	< 0.005	0.005	
n-Hexane	< 0.01	0.01	
2-Hexanone	< 0.01	0.01	
Iodomethane	< 0.01	0.01	
Isopropylbenzene (Cumene)	< 0.005	0.005	
p-Isopropyltoluene	< 0.005	0.005	
Methylene chloride	< 0.005	0.005	
4-Methyl-2-pentanone (MIBK)	< 0.01	0.01	
Methyl-tert-butyl-ether	< 0.005	0.005	
Naphthalene	< 0.005	0.005	
n-Propylbenzene	< 0.005	0.005	
Styrene	< 0.005	0.005	
1,1,1,2-Tetrachloroethane	< 0.005	0.005	
1,1,2,2-Tetrachloroethane	< 0.005	0.005	
Tetrachloroethene	< 0.005	0.005	
Toluene	< 0.005	0.005	
1,2,3-Trichlorobenzene	< 0.005	0.005	
1,2,4-Trichlorobenzene	< 0.005	0.005	
1,1,1-Trichloroethane	< 0.005	0.005	
1,1,2-Trichloroethane	< 0.005	0.005	
Trichloroethene	< 0.005	0.005	
Trichlorofluoromethane	< 0.005	0.005	
1,2,3-Trichloropropane	< 0.005	0.005	
1,2,4-Trimethylbenzene	< 0.005	0.005	
1,3,5-Trimethylbenzene	< 0.005	0.005	
Vinyl acetate	< 0.01	0.01	
Vinyl chloride	< 0.002	0.002	
Xylene, M&P	< 0.005	0.005	
Xylene, Ortho	< 0.005	0.005	
Xylene (Total)	< 0.01	0.01	
Dibromofluoromethane (surrogate)	57	114%	
1,2-Dichloroethane-d4 (surrogate)	41.7	83%	
Toluene-d8 (surrogate)	51.2	102%	
4-bromofluorobenzene (surrogate)	56.1	112%	

Analysis Date/Time: 11/01/07/13:29

Analyst Initials

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November 02, 2007

Mr. David Norris
ENVISION LABORATORIES, INC.
1439 Sandlier Cir. W. Drive
Indianapolis, IN 46239

Project ID: 2007-2225
First Environmental File ID: 7-4857
Date Received: October 31, 2007

Dear Mr. David Norris:

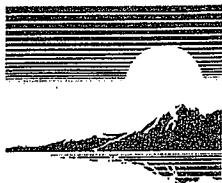
The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 001767: effective 06/11/07 through 02/28/08.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200 or neal@firstenv.com.

Sincerely,

Neal Cleghorn
Project Manager



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Case Narrative

ENVISION LABORATORIES, INC.

Project ID: 2007-2225

First Environmental File ID: 7-4857

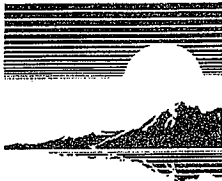
Date Received: October 31, 2007

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L+	LCS recovery outside control limits; high bias.
B	Analyte detected in associated method blank.	L-	LCS recovery outside control limits; low bias.
C	Identification confirmed by GC/MS.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	M+	MS recovery outside control limits high bias; LCS acceptable.
E	Estimated result; concentration exceeds calibration range.	M-	MS recovery outside control limits low bias; LCS acceptable.
F	Field measurement.	N	Analyte is not part of our NELAC accreditation.
		ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
G	Surrogate recovery outside control limits; matrix effect.	P	Chemical preservation pH adjusted in lab.
H	Analysis or extraction holding time exceeded.	Q	The analyte was determined by a GC/MS database search.
J	Estimated result; concentration is less than calib range.	S	Analyte was sub-contracted to another laboratory for analysis.
K	RPD outside control limits.	T	Sample temperature upon receipt exceeded 0-6°C
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	W	Reporting limit elevated due to sample matrix.

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

Sample Batch Comments:

Sample acceptance criteria were met.



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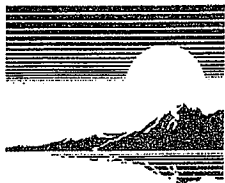
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Analytical Report

Client: ENVISION LABORATORIES, INC.
Project ID: 2007-2225
Sample ID: 7-14695-MW-1
Sample No: 7-4857-001

Date Collected: 10/29/07
Time Collected: 17:10
Date Received: 10/31/07
Date Reported: 11/02/07

Analyte	Result	R.L.	Units	Flags
Polychlorinated biphenyls (PCBs)		Preparation Method 3510C		
Analysis Date: 11/01/07		Preparation Date: 11/01/07		
Aroclor 1016	< 0.50	0.50	ug/L	
Aroclor 1221	< 0.50	0.50	ug/L	
Aroclor 1232	< 0.50	0.50	ug/L	
Aroclor 1242	< 0.50	0.50	ug/L	
Aroclor 1248	< 0.50	0.50	ug/L	
Aroclor 1254	< 0.50	0.50	ug/L	
Aroclor 1260	< 0.50	0.50	ug/L	
Tetrachloro-m-xylene (Surr)	92	33-109	%	
Decachlorobiphenyl (Surr)	63	28-116	%	



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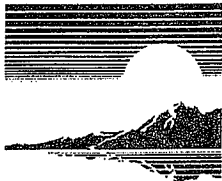
IL ELAP / NELAC Accreditation # 100292

Analytical Report

Client: ENVISION LABORATORIES, INC.
Project ID: 2007-2225
Sample ID: 7-14696-MW-2
Sample No: 7-4857-002

Date Collected: 10/29/07
Time Collected: 16:10
Date Received: 10/31/07
Date Reported: 11/02/07

Analyte	Result	R.L.	Units	Flags
Polychlorinated biphenyls (PCBs)		Method: 8082		
Analysis Date: 11/01/07		Preparation Method 3510C		
		Preparation Date: 11/01/07		
Aroclor 1016	< 0.50	0.50	ug/L	
Aroclor 1221	< 0.50	0.50	ug/L	
Aroclor 1232	< 0.50	0.50	ug/L	
Aroclor 1242	< 0.50	0.50	ug/L	
Aroclor 1248	< 0.50	0.50	ug/L	
Aroclor 1254	< 0.50	0.50	ug/L	
Aroclor 1260	< 0.50	0.50	ug/L	
Tetrachloro-m-xylene (Surr)	86	33-109	%	
Decachlorobiphenyl (Surr)	60	28-116	%	



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Analytical Report

Client: ENVISION LABORATORIES, INC.
Project ID: 2007-2225
Sample ID: 7-14697-MW-3
Sample No: 7-4857-003

Date Collected: 10/29/07
Time Collected: 11:05
Date Received: 10/31/07
Date Reported: 11/02/07

Analyte	Result	R.L.	Units	Flags
Polychlorinated biphenyls (PCBs)		Method: 8082		
Analysis Date: 11/01/07		Preparation Method 3510C		
		Preparation Date: 11/01/07		
Aroclor 1016	< 0.50	0.50	ug/L	
Aroclor 1221	< 0.50	0.50	ug/L	
Aroclor 1232	< 0.50	0.50	ug/L	
Aroclor 1242	< 0.50	0.50	ug/L	
Aroclor 1248	< 0.50	0.50	ug/L	
Aroclor 1254	< 0.50	0.50	ug/L	
Aroclor 1260	< 0.50	0.50	ug/L	
Tetrachloro-m-xylene (Surr)	102	33-109	%	
Decachlorobiphenyl (Surr)	93	28-116	%	



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Analytical Report

Client: ENVISION LABORATORIES, INC.
Project ID: 2007-2225
Sample ID: 7-14698-MW-4
Sample No: 7-4857-004

Date Collected: 10/29/07
Time Collected: 13:30
Date Received: 10/31/07
Date Reported: 11/02/07

Analyte	Result	R.L.	Units	Flags
Polychlorinated biphenyls (PCBs)		Preparation Method 3510C		
Analysis Date: 11/01/07		Preparation Date: 11/01/07		
Aroclor 1016	< 0.50	0.50	ug/L	
Aroclor 1221	< 0.50	0.50	ug/L	
Aroclor 1232	< 0.50	0.50	ug/L	
Aroclor 1242	< 0.50	0.50	ug/L	
Aroclor 1248	< 0.50	0.50	ug/L	
Aroclor 1254	< 0.50	0.50	ug/L	
Aroclor 1260	< 0.50	0.50	ug/L	
Tetrachloro-m-xylene (Surr)	79	33-109	%	
Decachlorobiphenyl (Surr)	84	28-116	%	



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Analytical Report

Client: ENVISION LABORATORIES, INC.
Project ID: 2007-2225
Sample ID: 7-14700-MW-Dup
Sample No: 7-4857-005

Date Collected: 10/29/07
Time Collected:
Date Received: 10/31/07
Date Reported: 11/02/07

Analyte	Result	R.L.	Units	Flags
Polychlorinated biphenyls (PCBs)		Preparation Method 3510C		
Analysis Date: 11/01/07		Preparation Date: 11/01/07		
Aroclor 1016	< 0.50	0.50	ug/L	
Aroclor 1221	< 0.50	0.50	ug/L	
Aroclor 1232	< 0.50	0.50	ug/L	
Aroclor 1242	< 0.50	0.50	ug/L	
Aroclor 1248	< 0.50	0.50	ug/L	
Aroclor 1254	< 0.50	0.50	ug/L	
Aroclor 1260	< 0.50	0.50	ug/L	
Tetrachloro-m-xylene (Surr)	92	33-109	%	
Decachlorobiphenyl (Surr)	70	28-116	%	



CHAIN OF CUSTODY RECORD

ENVision Proj#: _____ Page _____ of _____

ENVision Laboratories, Inc. | 1439 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-8632 | Fax: (317) 351-8639

Client: ENVision Labs		Invoice Address:		REQUESTED PARAMETERS											
Report Address: Above		Project Name: 2007-2225		<div style="border: 1px solid black; padding: 5px;">Sample Integrity: Cooler Temp: <u>26</u> °C (circled) Samples on Ice? Yes No Samples Intact? Yes No Custody Seal: Yes No ENVision provided bottles: Yes No VOC vials free of head-space: Yes No pH checked? Yes No N/A</div>											
Report To: David Morris		Lab Contact:													
Phone:		Sampled by:													
Fax:		P.O. Number:													
Desired MAT: (Please Circle One) 1-2 days 3-6 days Std (7 bus. days)				QA/QC Required: (Circle if applicable) Level III Level IV		<div style="border: 1px solid black; padding: 5px; text-align: center;">Please indicate number of containers per preservative below</div>									
Sample ID		Coll. Date	Coll. Time	Comp (C) Grab (G)	Matrix										
7-14695-MM-1	10-29-07	1710	6	Water	X							7-14695-MM-1			
7-14696-MM-2		1610			X							002			
7-14697-MM-3		1105			X							003			
7-14698-MM-4		1330			X							004			
7-14699-MM-5		1444			X							Broken in Transit			
7-14700-MM-6					X							005			
Comments: *Need Results by Friday 11-2-07															
Relinquished by: David Morris		Date: 10-30-07	Time: 1400	Received by: R. G.		Date: 10/31/07	Time: 1:10								



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8260 Quality Control Data

ENVision Batch Number: 110107VW

<u>Method Blank (MB):</u>	<u>MB Results (ug/L)</u>	<u>Rep Lim (ug/L)</u>	<u>Flag</u>
Acetone	< 100	100	
Acrolein	< 100	100	
Acrylonitrile	< 100	100	
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 5	5	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 5	5	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 100	100	
Dichlorodifluoromethane	< 5	5	
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
cis-1,3-Dichloropropene	< 5	5	
trans-1,3-Dichloropropene	< 5	5	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	



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8260 QC Continued...

Method Blank (MB):

	<u>MB Results (ug/L)</u>	<u>Rep Lim (ug/L)</u>
Hexachloro-1,3-butadiene	< 5	5
2-Hexanone	< 10	10
n-Hexane	< 10	10
Iodomethane	< 10	10
Isopropylbenzene (Cumene)	< 5	5
p-Isopropyltoluene	< 5	5
Methylene chloride	< 5	5
4-Methyl-2-pentanone (MIBK)	< 10	10
Methyl-tert-butyl-ether	< 5	5
Naphthalene	< 5	5
n-Propylbenzene	< 5	5
Styrene	< 5	5
1,1,1,2-Tetrachloroethane	< 5	5
1,1,2,2-Tetrachloroethane	< 5	5
Tetrachloroethene	< 5	5
Toluene	< 5	5
1,2,3-Trichlorobenzene	< 5	5
1,2,4-Trichlorobenzene	< 5	5
1,1,1-Trichloroethane	< 5	5
1,1,2-Trichloroethane	< 5	5
Trichloroethene	< 5	5
Trichlorofluoromethane	< 5	5
1,2,3-Trichloropropane	< 5	5
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl acetate	< 10	10
Vinyl chloride	< 2	2
Xylene, M&P	< 5	5
Xylene, Ortho	< 5	5
Xylene (total)	< 10	10
Dibromofluoromethane (surrogate)	124%	
1,2-Dichloroethane-d4 (surrogate)	90%	
Toluene-d8 (surrogate)	99%	
4-bromofluorobenzene (surrogate)	122%	
Analysis Date/Time:	11/01/07/07:07	
Analyst Initials	tjg	

	<u>LCS/LCSD</u>	<u>LCS Results (ug/l)</u>	<u>LCS/LCSD Conc.</u> (ug/l)	<u>LCSD Result</u> (ug/l)	<u>LCS</u> Rec.	<u>LCSD</u> Rec.	<u>RPD</u>	<u>Flag</u>
1,1-Dichloroethene		56.8	50	58.7	114%	117%	3.3%	
Benzene		45.8	50	51	92%	102%	10.7%	
Trichloroethene		54.6	50	57.8	109%	116%	5.7%	
Toluene		47	50	50.5	94%	101%	7.2%	
Chlorobenzene		54	50	59.3	108%	119%	9.4%	
Dibromofluoromethane (surrogate)		93%		91%				
1,2-Dichloroethane-d4 (surrogate)		86%		85%				
Toluene-d8 (surrogate)		87%		85%				
4-bromofluorobenzene (surrogate)		102%		100%				
Analysis Date/Time:		11/01/07/06:29		11/01/07/06:48				

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Analyst Initials

tjg

tjg



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8015 TPH-Extended Range Quality Control Data

ENVision Batch Number: 103107DW

	MB Results (ug/L)	Reporting Limit (ug/L)	Flag
Method Blank (MB):	< 100	100	
TPH-Extended Range	76%		
o-Terphenyl (surrogate)			
Analysis Date/Time:	10/31/2007 4:04		
Analyst Initials:	gjd		
Date Extracted:	10/30/2007		
Initial Sample Volume:	1000 mL		
Final Volume:	1.0 mL		

	LCS Results (ug/L)	LCS/LCSD Conc. (ug/L)	LCSD Results (ug/L)	LCS Rec.	LCSD Rec.	RPD	Flag
LCS/LCSD	866.91	1000	698.33	87%	70%	21.5%	
TPH-Extended Range	102%		94%				
o-Terphenyl (surrogate)							
Analysis Date/Time:	10/31/2007 4:33		10/31/2007 5:03				
Analyst Initials:	gjd		gjd				
Date Extracted:	10/30/2007		10/30/2007				
Initial Sample Volume:	1000 mL		1000 mL				
Final Volume:	1.0 mL		1.0 mL				



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8015 TPH-Gasoline Quality Control Data

ENVision Batch Number: 103107GW

<u>Method Blank (MB):</u>	<u>MB Results (mg/L)</u>	<u>Rep Lim</u>	<u>Flag</u>
TPH-Gasoline	< 0.22 mg/L	0.22 mg/L	
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	10/31/07/16:05		
Analyst Initials:	tjg		

<u>Laboratory Control Standard (LCS):</u>	<u>LCS Results (mg/L)</u>	<u>LCS Conc.</u> <u>(mg/L)</u>	<u>% Rec</u>	<u>Flag</u>
TPH-Gasoline	10.1	10	101	
4-bromofluorobenzene (surrogate)	80%			
Analysis Date/Time:	10/31/07/14:49			
Analyst Initials:	tjg			

<u>Matrix Spike/Matrix Spike Dup (MS/MSD)</u>	<u>Sample Results (mg/L)</u>	<u>MS Res mg/L</u>	<u>MSD Res mg/L</u>	<u>Spike</u> <u>Conc.</u>	<u>MS</u> <u>Rec</u>	<u>MSD</u> <u>Rec</u>	<u>% D</u>	<u>Flag</u>
TPH-Gasoline	0	9.76	10.6	10 mg/L	97.6	106	8.25	
4-bromofluorobenzene (surrogate)	107%	98%	93%					
Analysis Date/Time:	10/31/07/21:19	10/31/07/22:03	10/31/07/22:22					
Analyst Initials:	tjg	tjg	tjg					
Original Sample Number Spiked:	7-14700							



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6010B/7470A Metals Quality Control Data

ENVision Batch Number: 103107icp / 103007hgw

<u>Method Blank (MB):</u>	<u>MB Results (mg/L)</u>	<u>Rep Lim (mg/L)</u>	<u>Flag</u>
Arsenic	< 0.01	0.01	
Cadmium	< 0.005	0.005	
Chromium	< 0.01	0.01	
Lead	< 0.01	0.01	
Mercury	< 0.002	0.002	
Nickel	< 0.05	0.05	
Zinc	< 0.05	0.05	
Analysis Date/Time:	10/31/07 10:54icp / 10/30/07 12:58hg		
Analyst Initials:	gjd		

<u>Laboratory Control Standard (LCS):</u>	<u>LCS Results(mg/L)</u>	<u>LCS Conc(mg/L)</u>	<u>% Rec</u>	<u>Flag</u>
Arsenic	0.53	0.50	106	
Cadmium	0.52	0.50	104	
Chromium	0.52	0.50	104	
Lead	0.53	0.50	106	
Mercury	0.0049	0.005	98	
Nickel	0.52	0.50	104%	
Zinc	0.53	0.50	106%	
Analysis Date/Time:	10/31/07 11:02icp / 10/30/07 13:01hg			
Analyst Initials:	gjd			

<u>Matrix Spike/Matrix Spike Dup (MS/MSD)</u>	<u>Sample Results (mg/L)</u>	<u>MS Res(mg/L)</u>	<u>MSD Re: Spike C</u>	<u>MS Rec</u>	<u>MSD Rec</u>	<u>% D</u>	<u>Flag</u>
Arsenic	0.00	0.51	0.52	0.50	102%	104%	1.942
Cadmium	0.00	0.48	0.48	0.50	96%	96%	0
Chromium	0.09	0.59	0.59	0.50	100%	100%	0
Lead	0.50	0.97	0.97	0.50	94%	94%	0
Mercury	0	0.0056	0.0056	0.005	112%	112%	0
Nickel	0.07	0.55	0.55	0.50	96%	96%	0
Zinc	0.60	1.08	1.08	0.50	96%	96%	0
Original Sample Number Spiked:	7-14491icp / 7-14146hg						
Analysis Date/Time:	10/31/07 12:56icp / 10/30/07 13:05hg						
Analyst Initials:	gjd						



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8270 Quality Control Data

ENVision Batch Number: 103007BW

BNA Method Blank (MB):	Method Blank Results (mg/L)	Reporting Limit (mg/L)	Flag
Aniline	< 0.01	0.01	
Benzoic Acid	< 0.05	0.05	
Benzyl Alcohol	< 0.02	0.02	
4-Bromophenylphenyl ether	< 0.01	0.01	
Butylbenzylphthalate	< 0.01	0.01	
Carbazole	< 0.02	0.02	
4-Chloro-3-methylphenol	< 0.02	0.02	
4-Chloroaniline	< 0.02	0.02	
bis(2-Chloroethoxy)methane	< 0.01	0.01	
bis(2-Chloroethyl)ether	< 0.01	0.01	
bis(2-Chloroisopropyl)ether	< 0.01	0.01	
2-Chloronaphthalene	< 0.01	0.01	
2-Chlorophenol	< 0.01	0.01	
4-Chlorophenylphenyl ether	< 0.01	0.01	
Dibenzofuran	< 0.01	0.01	
1,2-Dichlorobenzene	< 0.01	0.01	
1,3-Dichlorobenzene	< 0.01	0.01	
1,4-Dichlorobenzene	< 0.01	0.01	
3,3-Dichlorobenzidine	< 0.02	0.02	
2,4-Dichlorophenol	< 0.01	0.01	
Diethylphthalate	< 0.01	0.01	
2,4-Dimethylphenol	< 0.01	0.01	
Dimethylphthalate	< 0.01	0.01	
Di-n-butylphthalate	< 0.01	0.01	
4,6-Dinitro-2-methylphenol	< 0.05	0.05	
2,4-Dinitrophenol	< 0.05	0.05	
2,4-Dinitrotoluene	< .01	0.01	
2,6-Dinitrotoluene	< 0.01	0.01	
Di-n-octylphthalate	< 0.01	0.01	
bis(2-Ethylhexyl)phthalate	< 0.005	0.005	
Hexachloro-1,3-butadiene	< 0.01	0.01	
Hexachlorobenzene	< 0.005	0.005	
Hexachlorocyclopentadiene	< 0.025	0.025	
Hexachloroethane	< 0.01	0.01	
Isophorone	< 0.01	0.01	
2-Methylphenol (o-Cresol)	< 0.01	0.01	
3&4-Methylphenol	< 0.02	0.02	
2-Nitroaniline	< 0.05	0.05	
3-Nitroaniline	< 0.05	0.05	
4-Nitroaniline	< 0.05	0.05	
Nitrobenzene	< 0.01	0.01	
2-Nitrophenol	< 0.01	0.01	
4-Nitrophenol	< 0.05	0.05	
N-Nitroso-di-n-propylamine	< 0.01	0.01	
N-Nitrosodiphenylamine	< 0.01	0.01	

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8270 QC Continued...

	Method Blank Results (mg/L)	Reporting Limit (mg/L)	Flag
Pentachlorophenol	< 0.05	0.05	
Phenol	< 0.01	0.01	
1,2,4-Trichlorobenzene	< 0.01	0.01	
2,4,5-Trichlorophenol	< 0.01	0.01	
2,4,6-Trichlorophenol	< 0.01	0.01	
2-Fluorophenol (surrogate)	69%		
Phenol-d6 (surrogate)	80%		
Nitrobenzene-d5 (surrogate)	77%		
2-Fluorobiphenyl (surrogate)	91%		
2,4,6-Tribromophenol (surrogate)	82%		
p-Terphenyl-d14 (surrogate)	119%		
Analysis Date/Time:	11-01-07/15:28		
Analyst Initials:	bds		
Date Extracted:	10/30/2007		
Initial Sample Volume:	1000 mL		
Final Volume:	1.0 mL		

PAH-SIM Method Blank (MB):	Method Blank Result (mg/L)	Reporting Limit (mg/L)	Flag
Acenaphthene	< 0.001	0.001	
Acenaphthylene	< 0.001	0.001	
Anthracene	< 0.0001	0.0001	
Benzo(a)anthracene	< 0.0001	0.0001	
Benzo(a)pyrene	< 0.0001	0.0001	
Benzo(b)fluoranthene	< 0.0001	0.0001	
Benzo(g,h,i)perylene	< 0.0001	0.0001	
Benzo(k)fluoranthene	< 0.0001	0.0001	
Chrysene	< 0.0001	0.0001	
Dibenzo(a,h)anthracene	< 0.0001	0.0001	
Fluoranthene	< 0.001	0.001	
Fluorene	< 0.001	0.001	
Indeno(1,2,3-cd)pyrene	< 0.000022	0.000022	
2-methylnaphthalene	< 0.001	0.001	
Naphthalene	< 0.001	0.001	
Phenanthrene	< 0.001	0.001	
Pyrene	< 0.001	0.001	
Analysis Date/Time:	11-01-07/17:52		
Analyst Initials	bds		



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8270 QC continued...

LCS/LCSD	LCS Result (ug/L)	LCS Conc. (ug/L)	LCSD Result (ug/L)	LCS Recovery	LCSD Recovery	RPD	Flag
Acenaphthene	40.37	50	39.23	80.7%	78.5%	2.9%	
4-Chloro-3-methylphenol	82.41	100	79.06	82.4%	79.1%	4.1%	
2-Chlorophenol	66.86	100	65.47	66.9%	65.5%	2.1%	
1,4-Dichlorobenzene	28.31	50	29.23	56.6%	58.5%	3.2%	
2,4-Dinitrotoluene	35.36	50	33.15	70.7%	66.3%	6.5%	
4-Nitrophenol	44.90	100	39.68	44.9%	39.7%	12.3%	
N-Nitroso-di-n-propylamine	36.80	50	34.15	73.6%	68.3%	7.5%	
Pentachlorophenol	39.68	100	40.11	39.7%	40.1%	1.1%	
Phenol	70.16	100	62.54	70.2%	62.5%	11.5%	
Pyrene	45.34	50	49.45	90.7%	98.9%	8.7%	
1,2,4-Trichlorobenzene	31.35	50	31.44	62.7%	62.9%	0.3%	
2-Fluorophenol (surrogate)	60%		56%				
Phenol-d6 (surrogate)	73%		64%				
Nitrobenzene-d5 (surrogate)	77%		72%				
2-Fluorobiphenyl (surrogate)	87%		82%				
2,4,6-Tribromophenol (surrogate)	67%		67%				
p-Terphenyl-d14 (surrogate)	96%		107%				
Analysis Date/Time:	11-01-07/16:33		11-01-07/17:06				
Analyst Initials:	bds		bds				
Date Extracted:	10/30/2007		10/30/2007				
Initial Sample Volume:	1000 mL		1000 mL				
Final Volume:	1.0 mL		1.0 mL				



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Flag Number

1

Comments

Surrogate recovery is biased low. No additional sample was available for re-extraction. BDS 11-02-07



2007-2225

ENVISSION Proj#:

Page

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CHAIN OF CUSTODY RECORD

ENVISSION Laboratories, Inc. | 1439 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-8632 | Fax: (317) 351-8639

Client: AVANT		Invoice Address: Same		REQUESTED PARAMETERS														
Report Address: 508 Incentive Dr. H. Wayne 46825		Project Name: H. Wayne Comm.																
Report To: M. Anderson		Lab Contact: Dave																
Phone: 260-497-9620		Sampled by: MZA																
Fax: By 11/2/07		P.O. Number: 07-291-40																
Desired Turnaround: 1-2 days		QA/QC Required: Level III																
Sample ID		Coll. Date	Coll. Time	Comp. (C) Grab (G)	Matrix	TPH-EP0	TPH-GP0	VOCs	VOCs-GP0	TPH-GP0	TPH-EP0	HC	HNO ₃	H ₂ SO ₄	NaOH	Other	None	ENVISSION Sample ID
MW-1	10/29/07	1710	CS	H ₂ O		X	X	X	X	X	X	41	41				3	14695
MW-2		1610				X	X	X	X	X	X	41	41				3	14696
MW-3		1105				X	X	X	X	X	X	41	41				3	14697
MW-4		1330				X	X	X	X	X	X	41	41				3	14698
MW-5		1444				X	X	X	X	X	X	41	41				3	14699
DUP						X	X	X	X	X	X	41	41				3	14700
TRIP						X						2						14701

Sample Integrity:
Cooler Temp: _____ °C
Samples on Ice? Yes No
Samples Intact? Yes No
Custody Seal: Yes No
ENVISSION provided bottles: Yes No
VOC vials free of head-space: Yes No N/A
pH checked? Yes No N/A

Please indicate number of containers per preservative below

Comments:

Relinquished by: M. Anderson	Date: 10/29/07	Time: 1900	Received by: John J. Summa	Date: 10-30-07	Time: 0950
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