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Final Technical Memorandum

Date: May 5, 2008

To: Robert Leitch, USACE North Atlantic Division New England District (NAE)

From: Deirdre Dahlen, Battelle

Subject: Aerovox 2007 Annual Groundwater Monitoring Results

This Technical Memorandum presents a summary of the groundwater monitoring activities conducted at the Aerovox site in New Bedford, Massachusetts during the 2007 annual monitoring period. The recent sampling and analysis at the site is a continuation of a groundwater sampling program that was initiated in September of 2005 to assess potential trends in chemical contaminants in the groundwater system beneath the site. Groundwater results from monitoring conducted in 2005 and 2006 are presented in ENSR (2006, 2007). Results from the 2007 annual monitoring are discussed in this Technical Memorandum.

Field Activity Summary

Sampling was conducted at the Aerovox site from November 27-29, 2007. Of the 13 wells that remain in service, 11 groundwater wells were sampled to monitor water quality in the shallow and deep groundwater system beneath the site. These wells are located around the Aerovox site but are mostly concentrated on the east side near the Acushnet River to facilitate the monitoring of groundwater beneath the most contaminated soils. Wells sampled in 2007 included shallow groundwater wells MW-3A, MW-4A, MW-6A, MW-7A and MW-8S and deeper groundwater wells MW-2, MW-4, MW-4B, MW-5, MW-6, and MW-7 (Figure 1). At the direction of NAE, two of the thirteen wells in service were not sampled (i.e., MW-2A and MW-3).

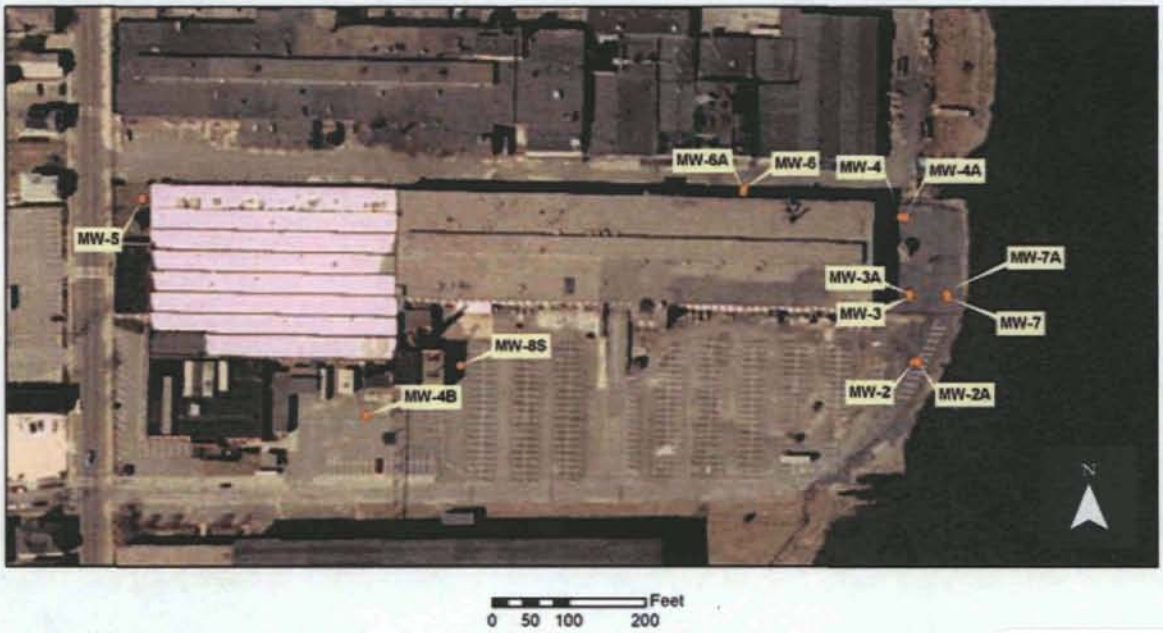

Figure 1: Aerovox Monitoring Well Locations (from ENSR, 2007).
(Wells MW-2A and MW-3 were not sampled in 2007).

SDMS DocID 458673

In-situ water quality measurements (temperature, specific conductivity, dissolved oxygen [DO], pH, Oxidative Redox Potential [ORP], turbidity), groundwater levels, and samples of groundwater were collected at 11 wells located at the Aerovox site (Figure 1). All field measurements and groundwater collection were conducted according to the Field Sampling Plan (FSP) developed for this investigation (Battelle, 2007). Field activities are summarized briefly below.

Groundwater sampling followed the procedures for Low-Flow (Low-Stress) Purging and Sampling found in EPA Region I Low Stress (flow) Purging and Sampling Groundwater Procedure for the Collection of Groundwater Samples from Monitoring Wells, Rev. 2, July 30, 1996 (EPA, 1996). Groundwater samples were collected with a bladder pump to reduce the loss of volatile organic compounds (VOCs) during collection. To minimize the risk of sample contamination and cross contamination between wells, water from each well was collected with Teflon bladders and sampling tubing dedicated to that well. Upon arrival for sample collection, the depth to water was measured with a cleaned water level tape and the well volume was calculated. The water level tape was cleaned between wells following decontamination procedures described in the FSP (Battelle, 2007). The bladder pump was then affixed to the dedicated tubing, which was placed into the well. The well depth was measured again before purging the well to account for any water displacement from the pump. Groundwater samples for analysis of polychlorinated biphenyls (PCB as Aroclor), VOCs, and total suspended solids (TSS) were collected once the well was purged and all diagnostic parameters, such as DO and pH, achieved a steady state. The flow rate of water pumped from the well was verified using a graduated cylinder and timepiece and then recorded on the field log sheets. Consistent with EPA (1996) guidelines, the pumping rate was reduced to the minimum capabilities of the pump (e.g., between 100 to 400 mL/min).

Quality control (QC) samples were also collected to meet measurement quality objectives (MQOs) defined in the FSP, and included one field duplicate sample and one equipment blank. Additional groundwater was also collected for the preparation of laboratory-based QC samples (i.e., matrix spike and matrix spike duplicate).

Field measurements were recorded on detailed field logs sheets that are provided in Attachment A. Precautions taken to maintain the integrity of the groundwater samples included using cleaned, dedicated sampling tubing for each well, not introducing contaminants into the samples during collection, collecting the samples in clean bottles provided by the analytical laboratories, keeping the samples cold on ice during transport to the analytical laboratories, and analyzing the samples within the required holding time.

In-situ Water Quality Summary

Water quality parameters were measured during the initial pumping of groundwater from the wells before the actual groundwater sample collection. *In-situ* measurements were made using a YSI® multi-meter sonde and a flow-thru cell. The flow-thru cell was disconnected from the discharge line during the actual sample collection. The YSI® sonde was calibrated and used according to all manufacturers' specifications. Calibration records are documented on the field logs (Attachment A). Turbidity was measured using a LaMotte, 2020E turbidity meter. *In-situ* water quality data were collected at each well during the purging process. Once the parameters such as DO and pH had stabilized, sample collection was initiated. These data are summarized in Table 1.

A comparison of the well depths measured in 2007 for wells MW-6 and MW-6A suggest that the well labels, marked on the pavement at the Aerovox site, appear to be switched for these two wells. The well depth for MW-6A (shallow) is 45.8 ft compared to a well depth of 12.5 ft for well MW-6 (deep). Comparison of the 2005–2007 PCB data also suggest that the well labels may be switched. The highest PCB concentrations in 2005 and 2006 were measured in groundwater sampled at well MW-6 (deep), whereas the highest PCB concentrations in 2007 were measured at well MW-6A (shallow). Assuming

that the well labels are reversed for wells MW-6 and MW-6A, the water quality results reported here (Figure 2 and Tables 1 through 3) and in the project data base have been switched for the two wells. The well depths were verified in March 2008 and results continue to indicate that the well labels are reversed for wells MW-6 and MW-6A.

Chemistry Water Quality Summary

Unfiltered groundwater samples collected during November 2007 were analyzed for PCB Aroclors, VOCs, and TSS. PCB Aroclor analysis was performed by Battelle, located in Duxbury, Massachusetts; VOC and TSS analyses were performed by Alpha Woods Hole Group located in Mansfield, Massachusetts. Sample results are summarized in Table 2 (PCB) and Table 3 (TSS and VOC) and are compared to the Massachusetts GW-3 criteria for groundwater that has a potential to discharge to a surface water body. Complete test results are provided in Attachment B.

PCB Aroclors were detected in all of the groundwater samples and concentrations were above the GW-3 criteria at 4 of the 11 wells sampled (Table 2). The highest PCB Aroclor concentrations were measured in deep groundwater at well MW-6, located in the northeast region of the Aerovox site (Figure 2). The highest PCB Aroclor concentration in shallow groundwater was measured at well MW-4A, located near the eastern boundary of the site. Results indicate that Aroclor 1221 is the predominant type detected in all three deep shoreline wells (MW-2, MW-4, and MW-7) (Table 2). In the central portion of the site, the predominant Aroclors appear to be Aroclor 1232 in deep wells (MW-4B and MW-6) and Aroclor 1248 in shallow wells (MW-6A and MW-8S).

VOCs were detected in all of the groundwater samples. The dominant compounds included trichloroethene, cis-1,2-dichloroethene, chlorobenzene, and vinyl chloride (Table 3). VOCs detected in groundwater beneath the site were measured at concentrations below the GW-3 criteria at all shallow groundwater wells. For deep groundwater wells, chlorobenzene was above the GW-3 criteria at well MW-2 and trichloroethene was above the GW-3 criteria at wells MW-4B, MW-6, and MW-7 (Table 3). Deep and shallow groundwater wells with the highest PCB concentrations also had the highest total VOC concentrations (i.e., MW-6 [deep] and MW-4A [shallow]).

Concentrations of TSS ranged from 1.7 to 68.7 mg/L in shallow groundwater (Table 3). TSS concentrations were generally lower in the deeper groundwater wells, ranging from 1.5 to 26.5 mg/L (Table 3).

Quality Control

Analytical data were validated independently by H&S Environmental and qualified according to Region 1 Data Validation guidelines. Data qualifiers reported with the final data (provided with CD) represent the final qualifier assigned by the data validator. Results from the field QC samples were also evaluated to assess data quality in terms of precision (field duplicate) and potential contamination (equipment blank) that may contribute to contaminant concentrations measured in the field samples.

Results from the field QC samples met the project MQOs. PCB Aroclors, VOCs, and TSS results were comparable between the original sample and the replicate sample collected at well MW-7 (Table 4). Further, PCB Aroclors, VOCs, and TSS were undetected in the equipment blank, indicating that the sampling methods were free of contamination (Attachment B).

Summary

Annual monitoring was performed in 2007 at the Aerovox site as part of the ongoing groundwater monitoring program. Groundwater levels, water quality parameters, PCB Aroclor, VOCs, and TSS were monitored in 11 wells at the site. Analysis of groundwater samples indicates that the highest concentrations of total PCB (as Aroclor) and VOCs were measured in deep groundwater at well MW-6, located at the northeastern region of the site. Well MW-4A, located near the eastern boundary of the site, contained the highest PCB and VOC concentrations measured in shallow groundwater. PCB Aroclor and VOC concentrations in shallow groundwater beneath the site generally did not exceed the GW-3 criteria, whereas PCB Aroclors and selected VOCs (trichloroethene and chlorobenzene) exceeded the criteria at four of the deep groundwater wells.

Literature Cited

Battelle, 2007. Groundwater Monitoring Final Field Sampling Plan-New Bedford, Massachusetts rev 1. Prepared by Battelle. November 2007.

ENSR, 2006. A: October 2006 Aerovox Groundwater Sampling Results. Dacw33-00-D-0003. U.S. Army Corps Of Engineers New England District Concord, Massachusetts. Prepared by ENSR Corporation, January 2007.

ENSR, 2007. Technical Memorandum: October 2006 Aerovox Groundwater Sampling Results. Dacw33-00-D-0003. U.S. Army Corps Of Engineers New England District Concord, Massachusetts. Prepared by ENSR Corporation, January 2007.

EPA, 1996. EPA Region I Low Stress (flow) Purging and Sampling Groundwater Procedure for the Collection of Groundwater Samples from Monitoring Wells, Rev. 2, July 30, 1996.

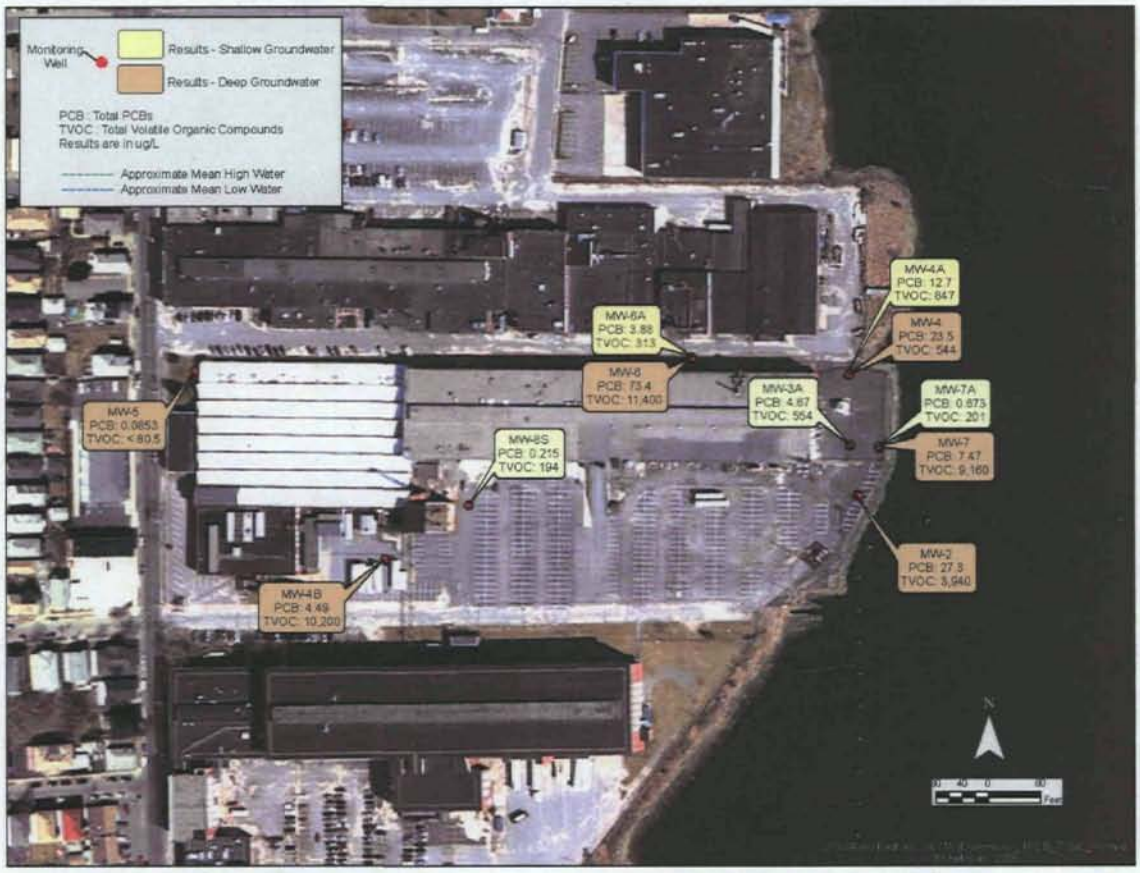

Figure 2. Concentrations of Total PCB and Total VOC in Groundwater Beneath the Aerovox Site, November 2007.

Table 1: Summary of *In-situ* Groundwater Data Collected Immediately Prior to Sampling, November 2007

Aquifer	Well ID	Date/ Time	Depth to Water (ft)	pH	Spec Cond. (µS/cm)	Temp (°C)	DO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Vol. (L)	Flow Rate (mL/ min)	Color/ Odor	Draw-down* (ft)
Shallow Groundwater	MW-3A	11/27/07 16:36	6.4	6.5	1253	16.7	1.78	1.7	-97.9	16.7	315	Rusty Brown	-0.07
	MW-4A	11/28/07 09:05	8.3	5.6	269	13.0	0.46	2.4	46.7	3.6	80	-	0.1
	MW-6A (a)	11/29/07 10:12	7.6	5.8	100	11.8	7.94	2.5	189.3	5.7	120	Light tan Slight odor	0.01
	MW-7A	11/27/07 14:01	4.2	6.4	4124	16.1	0.17	5.3	-137.8	10.5	183	Tan/red color	-0.02
	MW-8S	11/28/07 14:31	3.6	6.7	968	13.4	1.02	1.7	-107.2	11.0	255	Rusty Brown	-0.2
Deep Groundwater	MW-2	11/28/07 11:56	5.5	6.5	1418	15.6	0.29	9.2	-96.9	6.8	87	Rusty Brown	-0.31
	MW-4	11/28/07 10:03	9.0	6.3	683	14.3	0.32	0.9	-80.7	4.5	116	-	0.2
	MW-4B	11/28/07 14:54	7.9	5.0	1331	16.7	0.57	1.6	107.9	6.2	110	-	-0.89
	MW-5	11/27/07 11:18	13.7	6.2	789	14.7	5.06	11.2	210	15.7	200	-	0.01
	MW-6 (a)	11/27/07 15:30	7.0	5.7	4062	13.8	0.19	0.8	198.7	6.6	260	-	0
	MW-7	11/28/07 12:19	6.3	6.2	1110	17.0	0.45	10.0	-44.4	5.4	150	-	-0.45

* Drawdown is the distance in feet the water level changed during the sampling process.
(a) Water quality results have been switched for wells MW-6 and MW-6A (see *In-situ* Water Quality Summary).

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Table 2: Summary of Total Aroclor PCB Concentrations Measured in Monitoring Wells, November 2007 (values reported to three significant figures)

Aquifer	Date	Well ID	Total PCB[1] Concentration (µg/L)	Predominant Aroclor/ Concentration (µg/L)	GW-3[2] (µg/L)	Component[3]
Shallow Groundwater	11/27/2007	MW-3A	4.67	Aroclor 1232 / 4.65	10	99%
	11/28/2007	MW-4A	12.7	Aroclor 1254 / 12.6	10	99%
	11/29/2007	MW-6A (a)	3.88	Aroclor 1248 / 3.86	10	99%
	11/27/2007	MW-7A	0.673	Aroclor 1232 / 0.657	10	98%
	11/28/2007	MW-8S	0.215	Aroclor1248 / 0.199	10	92%
Deep Groundwater	11/28/2007	MW-2	27.3	Aroclor 1221 / 27.2	10	99%
	11/28/2007	MW-4	23.5	Aroclor 1221 / 23.5	10	99%
	11/28/2007	MW-4B	4.49	Aroclor 1232 / 4.47	10	99%
	11/27/2007	MW-5	0.0853	Aroclor 1254 / 0.068	10	80%
	11/27/2007	MW-6 (a)	73.4	Aroclor 1232 / 73.4	10	99%
	11/28/2007	MW-7	7.47	Aroclor 1221 / 7.45	10	99%

[1]Total PCB calculated as the sum of Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260; one-half the detection limit used in summation for non-detects.
[2] Massachusetts groundwater GW-3 standard from 310 CMR 40.0974(2).
[3] Percentage of total PCB attributed to the predominant Aroclor(s).
(a) Chemistry results have been switched for wells MW-6 and MW-6A (see *In-situ* Water Quality Summary).

Table 3: Summary of TSS and VOC Concentrations Measured in Monitoring Wells, November 2007
(values reported to three significant figures)

Aquifer	Date	Well ID	TSS (mg/L)	Total VOC[1] (µg/L)	Elevated Constituents	GW-3[2] (µg/L)	Component[3]
Shallow Groundwater	11/27/2007	MW-3A	45.4	554	CHLOROBENZENE = 380 µg/L	1,000	68%
	11/28/2007	MW-4A	68.7	847	ACETONE = 430 µg/L	50,000	
	11/29/2007	MW-6A (a)	1.7	313	TRICHLOROETHENE = 130 µg/L	5,000	42%
	11/27/2007	MW-7A	44.8	201	—		—
	11/28/2007	MW-8S	5.9	194	—		—
Deep Groundwater	11/28/2007	MW-2	11.7	3940	CHLOROBENZENE = 2300 µg/L 2-CHLOROETHYL VINYL ETHER = 100 µg/L	1,000 —	61%
	11/28/2007	MW-4	26.5	544	CIS-1,2-DICHLOROETHENE = 130 µg/L VINYL CHLORIDE = 150 µg/L	50,000 50,000	51%
	11/28/2007	MW-4B	1.9	10200	CIS-1,2-DICHLOROETHENE = 230 µg/L TETRACHLOROETHENE = 170 µg/L TRICHLOROETHENE = 9000 µg/L	50,000 30,000 5,000	92%
	11/27/2007	MW-5	14.1	< 80.5	—		—
	11/27/2007	MW-6 (a)	1.5	11400	CIS-1,2-DICHLOROETHENE = 1500 µg/L TRICHLOROETHENE = 8900 µg/L VINYL CHLORIDE = 120 µg/L	50,000 5,000 50,000	92%
	11/28/2007	MW-7	9.7	9160	CHLOROBENZENE = 190 µg/L CIS-1,2-DICHLOROETHENE = 2500 µg/L TRICHLOROETHENE = 5400 µg/L VINYL CHLORIDE = 260 µg/L	1,000 50,000 5,000 50,000	91%

[1] Total VOCs calculated as the sum of individual VOC compounds; one-half the detection limit used in summation for non-detects.
[2] Massachusetts groundwater GW-3 standard from 310 CMR 40.0974(2).
[3] Percentage of total VOCs attributed to the elevated constituents.
< Parameter not detected at level above the laboratory detection limit; detection limit reported.
(a) Chemistry results have been switched for wells MW-6 and MW-6A (see *In-situ* Water Quality Summary).

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Table 4: Field Quality Control Results, November 2007 (a)
(values reported to three significant figures)

Well ID	Parameter	Units	Result				RPD
			Sample	Qual	Replicate	Qual	
MW-7	Aroclor 1221	µg/L	7.45		6.91		7.63%
	TSS	mg/L	9.7		11.8		19.5%
	Chlorobenzene	µg/L	190	D	200	D	5.13%
	Cis-1,2-dichloroethene	µg/L	2,500	D	2,500	D	0%
	Trichloroethene	µg/L	5,400	D	5,600	D	3.64%
	Vinyl chloride	µg/L	260	D	270	D	3.77%
	1,1-dichloroethene	µg/L	17	jD	17	jD	0%
	1,3-dichlorobenzene	µg/L	25	D	24	D	4.08%
	1,4-dichlorobenzene	µg/L	29	D	29	D	0%

(a) Detected parameters only. All other parameters were undetected; see Attachment B for complete data.
RPD – relative percent difference.

ATTACHMENT A

Aerovox 2007 Groundwater Monitoring Field Logs

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YSI Calibration Form
Daily 2007 GW Monitoring for New Bedford Harbor – G606422

Instrument Model #_____ S/N#_____

Date: 11/27/07		Initials: MRF	
DO membrane changed? Y (N)	Turbidity Wiper Changed? Y N N/A		
Battery Voltage:	Turbidly wiper parks 180° from optics? Y N		
Parameter	**Initial Reading**	**Calibrated Reading**	**Calibration Data (acceptable range)**
Conductivity (mS/cm)	982	1000	Cell constant (4.55 – 5.45)
Depth (ft)	N/A		Pressure offset, vented (0 ± 6)
Turbidity (NTU) 0	0	0	Turbidity Offset:
Turbidity (NTU) 123	10.54	10.00	
D.O. (% Sat)	99.5	100	D.O. Gain (0.7 - 1.4)
pH 4	4.04	4.00	
pH 7	6.95	7.00	
ORP	178.5	185	
Comments: 600 - XLM-M			

Date: 11/27/07		Initials: JMF	
DO membrane changed? Y (N)	Turbidity Wiper Changed? Y N N/A		
Battery Voltage:	Turbidly wiper parks 180° from optics? Y N		
Parameter	**Initial Reading**	**Calibrated Reading**	**Calibration Data (acceptable range)**
Conductivity (mS/cm)			Cell constant (4.55 – 5.45)
Depth (ft)	991	1000	Pressure offset, vented (0 ± 6)
Turbidity (NTU) 0	0	0	Turbidity Offset:
Turbidity (NTU) 123	10.03	10.00	
D.O. (% Sat)	98.9	99.5	D.O. Gain (0.7 - 1.4)
pH 4	4.01	4.0	
pH 7	6.95	7.00	
ORP	178.6	185	
Comments: 600 XL			

YSI Calibration Form
Daily 2007 GW Monitoring for New Bedford Harbor – G606422

Instrument Model #_____ S/N#_____

Date: 11/28/07		Initials: SMF	
DO membrane changed? Y (N)	Turbidity Wiper Changed? Y N NA		
Battery Voltage:	Turbidly wiper parks 180° from optics? Y N NA		
Parameter	**Initial Reading**	**Calibrated Reading**	**Calibration Data (acceptable range)**
Conductivity (mS/cm)	991	1000	Cell constant (4.55 – 5.45)
Depth (ft)	—	—	Pressure offset, vented (0 ± 6)
Turbidity (NTU) 0	0	0	Turbidity Offset:
Turbidity (NTU) ~~123~~ 10	9.86	10.00	
D.O. (% Sat)	101.6	101.5	D.O. Gain (0.7 - 1.4)
pH 4	3.99	4.00	
pH 7	7.04	7.00	
ORP	186.1	185.0	
Comments: 600XLM-M			

Date: 11/28/07		Initials: SMF	
DO membrane changed? Y (N) NA	Turbidity Wiper Changed? Y N NA		
Battery Voltage:	Turbidly wiper parks 180° from optics? Y N NA		
Parameter	**Initial Reading**	**Calibrated Reading**	**Calibration Data (acceptable range)**
Conductivity (mS/cm)	999	1000	Cell constant (4.55 – 5.45)
Depth (ft)	—	—	Pressure offset, vented (0 ± 6)
Turbidity (NTU) 0	0	0	Turbidity Offset:
Turbidity (NTU) ~~123~~ 10	10.12	10.00	
D.O. (% Sat)	101.4	99.9	D.O. Gain (0.7 - 1.4)
pH 4	4.02	4.00	
pH 7	7.09	7.00	
ORP	186.2	185.0	
Comments: ~~600~~ 600XL			

YSI Calibration Form
Daily 2007 GW Monitoring for New Bedford Harbor – G606422

Instrument Model # YSI 600XLM S/N# 98H1750

Date: 11/29/07		Initials: JMF	
DO membrane changed? Y (N)	Turbidity Wiper Changed? ~~Y N~~ NA		
Battery Voltage:	Turbidly wiper parks 180° from optics? ~~Y N~~ NA		
Parameter	**Initial Reading**	**Calibrated Reading**	**Calibration Data (acceptable range)**
Conductivity (mS/cm)	994	1000	Cell constant (4.55 – 5.45)
Depth (ft)			Pressure offset, vented (0 ± 6)
Turbidity (NTU) 0	0	0	Turbidity Offset:
Turbidity (NTU) ~~123~~ 10	9.79	10.00	
D.O. (% Sat)	99.6	100.4	D.O. Gain (0.7 - 1.4)
pH 4	3.96	4.00	
pH 7	7.01	7.00	
ORP	185.4	185.0	
Comments: YSI 600XLM			

Date:		Initials:	
DO membrane changed? Y N	Turbidity Wiper Changed? Y N		
Battery Voltage:	Turbidly wiper parks 180° from optics? Y N		
Parameter	**Initial Reading**	**Calibrated Reading**	**Calibration Data (acceptable range)**
Conductivity (mS/cm)			Cell constant (4.55 – 5.45)
Depth (ft)			Pressure offset, vented (0 ± 6)
Turbidity (NTU) 0			Turbidity Offset:
Turbidity (NTU) 123			
D.O. (% Sat)			D.O. Gain (0.7 - 1.4)
pH 4			
pH 7			
ORP			
Comments:			

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Well ID MW-5

1 of 2

Groundwater Sample Collection Record

Client:	ACOE	Date: 11/27/07	Time:	Start	0920 am/pm
Project No:	NBH			Finish	1133 am/pm
Site Location:	AEROVOX				
Weather Conditions:	Sunny, Breezy ~55°F	Collectors:	JMF / MRF / GH		

1. WATER LEVEL / WELL DATA

Measured Well Depth: 21 (to top of well casing (pick-to))
Height of Water Column: 7.33
0.16 GAL/FT (2 IN)
0.65 GAL/FT (4 IN) = _____ Gallons (Volume)
1.5 GAL/FT (6 IN)
Depth to Water: ~~12.5~~ 13.67
Purged Volume: ~ 18 liters
middle of well H2O column 17.335

TOC = 12.50'
Top of well protector 13.67'
well protector = 2.0'
once pump added 13.68

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI	600XL		
LaMotte Turbidimeter	2020		
Solinst Waterlevel	Model 101		
QED MP10 Controller w/ Hoses			
QED SPP Sample Pro pump 1 3/4"			

±.44 ±22.38 ±20.5

Time (24 hr)	3% Temp (°C)	3% Spec Cond. (µS/cm)	10% DO (mg/L)	±0.1 pH	±10 ORP (mV)	10% Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
0956	15.35	718	5.95	6.23	149.2	355	-	114	13.68	—	
1002	15.16	726	5.48	6.15	176	279	.7	114	13.69	.01	
1009	15.04	735	5.25	6.16	192.9	184	1.4	183	13.69		
1016	14.96	741	5.15	6.18	200.8	121	2.7		13.68		
1022	14.90	746	5.12	6.19	204.7	~~72.5~~ = MRF 40		188	13.68		
1029	14.86	750	5.12	6.20	206.9	72.5	5.3		13.68		
1034	14.82	753	5.10	6.21	208.2	52.9	6.6	189	13.68	—	
1039	14.82	754	5.10	6.21	208.6	44.1	7.5		13.70	.02	
1044	14.81	760	5.09	6.22	208.9	34.0	8.5	194	13.68	-.02	
1049	14.80	764	5.08	6.22	209.6	28.8	10.0		13.67	-.01	
1055	14.82	774	5.08	6.22	209.9	24.5	11.1		13.7	~~.03~~ -0.02	
1100	14.80	780	5.07	6.22	210.3	20.7	12.1	200	13.68	+.02	
1103	14.77	781	5.06	6.22	210.5	16.5	12.7		13.68	0	
1106	14.75	781	5.08	6.22	210.7	17.0	13.3		13.7	-.02	
1109	14.73	785	5.07	6.22	210.8	13.3	13.9		13.68	+.02	
1112	14.72	793	5.06	6.22	210.6	11.4 / 13.5 14.9 ①			13.68	-	

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time

NOTES:

Continued on next page

Signature: James M Daly Date: 11/27/07

① ~~reading~~ Sample was read twice

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Well ID: MW-5

Groundwater Sample Collection Record

Client: USACE
Date: 11/27/07
Time: Start 0920 am/pm
Finish 1132 am/pm
Project No: NBH
Site Location: Aerovox
Weather Conditions: Cloudy, Breezy
Collectors:

1. WATER LEVEL / WELL DATA

Measured Well Depth: _____ Height of Water Column: _____
0.16 GAL/FT (2 IN)
0.65 GAL/FT (4 IN) = _____ Gallons (Volume)
1.5 GAL/FT (6 IN)
Depth to Water: Purged Volume:

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI	600XL		
LaMotte Turbidity			
MPID Controller (MicroPurge)			
CO2 cylinder			
Solinst Water Level Meter		101	26915

Time (24 hr)	Temp (°C)	Spec Cond. (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
1115	14.72	791	5.05	6.23	210.2	10.05/10.77	15.1	200	13.67	+.01	
1118	14.72	789	5.06	6.23	210.0	11.2	15.7				

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time	
MW-005-112707-07	1	Amber Bottle	4°C	PCB	1125	- only 1 container collected per Vixion's approval
MW-005-112707	1	~~PE~~ HDPE Bottle	4°C	TSS	1128	
MW-005-112707	3	VOA Vials	~~NT~~ HCl	VOA	1130	

NOTES:
9.62/9.17 NTU after flow cell was removed @ 1120

Signature: Matthew R Kynicki
Date: 11/27/07

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Well ID MW-7A

Groundwater Sample Collection Record

Client: USACE Date: 11/27/07 Time: Start 1250 am/pm
Project No: NBH Finish 1425 am/pm
Site Location: AEROVOX
Weather Conditions: Partly Sunny, Breezy Collectors: JMF / MRF / GH

1. WATER LEVEL / WELL DATA

Measured Well Depth: 11.2 Height of Water Column: 7.07 0.16 GAL/FT (2 IN) 0.65 GAL/FT (4 IN) = 1.5 GAL/FT (6 IN) _____ Gallons (Volume)

Depth to Water: 4.13 well screen Purged Volume: ~11 Liters ~3 gallons

3.26 well casing pump @ 7.665 ft Depth to H_2O 4.14 after pump in well

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI 600XL			
LaMotte 2020 Turbidimeter			
QED MP10 controller w/hoses			
QED Sample Pro Pump 1 3/4"			
Solinst Model 101 water level, 100'			

→ ±0.48 ±122.55 0.023 ✓ ✓

Time (24 hr)	3% Temp (°C)	3% Spec Cond. (µS/cm)	10% DO (mg/L)	±0.1 pH	±10 ORP (mV)	10% Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
1303	16.23	3396	1.92 ~~20.9~~	6.31	8.6	100.1		18.5	4.14		
1308	16.34	3535	0.76	6.36	-83.4	74.7	.925		4.15	-0.01	
1313	16.34	3753	0.38	6.36	-113.2	34.3	1.8	183	4.15	-0.01	
1318	16.42	3885	0.31	6.34	-123.1	15.8	2.7		4.14	—	tannish/red color
1325	16.36	3354	0.24	6.33	-130.5	9.86	4.16 ~~2.96~~		4.13	-0.01	
1330	16.19	4051	0.24	6.32	-132.7	10.08	4.9	180	4.14	—	
→ 1335	16.28	4085	0.23	6.33	-134.1	8.01	5.8		4.15	-0.01	
1340	16.32	4074	0.21	6.32	-135.5	6.90	6.7	178	4.15	-0.01	
1345	16.28	4078	0.19	6.32	-136.2	5.96	7.6		4.15	-0.01	
1348	16.03	4108	0.19	6.34	-136.6	5.33	8.1	183	4.16	-0.02	
1352	15.97	4115	0.19	6.35	-136.9	4.53	8.8		4.16	-0.02	
1355	15.90	4116	0.19	6.36	-137.2	5.29	9.4 ~~8.86~~		4.16	-0.02	
1358	15.94	4115	0.19	6.36	-137.5	5.29	9.9		4.16	-0.02	
take sample → 1401	16.07	4124	0.17	6.36	-137.8	5.25	10.5	183	4.16	-0.02	

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-07A-112707	1	1L-Amber Bottle	4°C	FCB	1415
MW-07A-112707	1	500ml HDPE	4°C	TSS	1417
↓	3	VOA 40ml	HCl	VOA	1419

NOTES: tide midway, ~~coming up~~ going out

Turbidity (not the flow thru cell) 4.57

Signature: Jessica M Fahey Date: 11/27/07

Battelle
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Well ID MW - 6A ①

Groundwater Sample Collection Record

Client:	USACE	Date:	11/27/07	Time: Start	1500 am/pm
Project No:	NBH			Finish	1545 am/pm
Site Location:	Aerovox				
Weather Conditions:		Collectors:	Matt Fitzpatrick		

1. WATER LEVEL / WELL DATA

Measured Well Depth:	45.8	Height of Water Column:	37.76	0.16 GAL/FT (2 IN) 0.65 GAL/FT (4 IN) = 1.5 GAL/FT (6 IN)	_____ Gallons (Volume)
Depth to Water:	7.04	Purged Volume:	~6.5 liters ≈ 2 gallons		

Pump depth = 36.4

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI 600XL			
LaMotte 2020 Turbidimeter			
QED MP10 Controller w/hoses			
QED sample Pro Pump 1 3/4"			
Solinst Model 101 water level, 100'			

① Well labels, marked on pavement at the Aerovox site, appear to be switched for wells MW-6 + MW-6A. See Discussion in Tech Memo JMF 2/26/08.

Time (24 hr)	3% Temp (°C)	3% Spec Cond. (µS/cm)	10% DO (mg/L)	±.1 pH	±10 ORP (mV)	10% Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
1505	13.76	3350	.94	6.17	169.6	4.02		265	7.04	—	
1511	13.79	3846	.40	5.89	179.4	1.67	1.6	—	7.04		
1517	13.80	4004	.28	5.78	191.1	.43	3.2	260	7.04		
1524	13.77	4047	.21	5.74	197.0	.43	5.0	—	7.04		
1527	13.80	4056	.20	5.74	198.0	.52	5.78	—	7.04		
1530	13.79	4062	.19	5.74	198.7	.79	~~8.6~~ 6.52		7.04	—	

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-06A-112707	3	40ml VOA	HCl	VOA	1531 / 1535
	1	Amber 1L Bottle	4°C	PCB	↓
	1	HDPE Bottle (500ml)	4°C	TSS	↓

NOTES:
No needed for Final Turbidity

Signature: Jessica McJohn Date: 11/27/07

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Well ID: MW-3A

Groundwater Sample Collection Record

Client: USACE
Date: 11/27/07
Time: Start 1515 am/pm
Project No: NBH
Finish 1645 am/pm
Site Location: Aberdeen
Weather Conditions: Partly Sunny, Breezy
Collectors: JMF/MEF/GH

1. WATER LEVEL / WELL DATA

Measured Well Depth: 9.4
Height of Water Column: 3.1
0.16 GAL/FT (2 IN)
0.65 GAL/FT (4 IN) =
1.5 GAL/FT (6 IN)
Gallons (Volume)

Depth to Water: 6.3 well prior to
Purged Volume: ~4.5 gallons
6.32 once pump in well
pump intake @ 7.85

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
600XL	YSI		
La Motte	2020e	Turbidity	69721
Solinst	water Level Meter		B122758
QED sample pro pump			
QED MP10 controller w/ hoses			

Time (24 hr)	±.5 3% Temp (°C)	±38 3% Spec Cond. (µS/cm)	±10% DO (mg/L)	±.1 pH	±10 ORP (mV)	10% Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
1544 ~~1545~~	15.81	1257	4.37	6.58	-91.9	63.3		~~25~~	6.32		Rusty Brown
1550	16.50	1197	3.37	6.52	-100.4	16.3	1.8	300	6.38	-.06	
1555	16.59	1229	2.60	6.52	-101.2	17.7	3.3	315	6.38	-0.06	
1600	16.64	1252	2.41	6.51	-100.5	9.20	4.9		6.38	-0.06	
1605	16.67	1261	2.15	6.51	-99.2	3.15	6.5	320	6.38	-0.06	
1610	16.70	1264	2.04	6.50	-99.8	2.42	8.1		6.38	-0.06	
1613	16.72	1260	1.85	6.51	-99.8	2.77	9.06	315	6.38	-0.06	
1616	16.73	1260	1.80	6.51	-100.0	1.61	10.0		6.38	-0.06	
1619	16.71	1259	1.80	6.51	-100.3	1.37	10.95		6.38	-0.06	
1621	16.68	1257	1.76	6.51	-100.5	1.83	11.91		6.39	-0.07	
1624	16.70	1252	1.70	6.51	-100.4	2.34	12.9		6.39	-0.07	
1627	16.72	1254	1.86	6.51	-99.4	1.78	13.8		6.39	-0.07	
1630	16.72	1255	1.88	6.51	-98.6	1.50	14.8		6.40	~~-0.06~~ -0.08	
1633	16.71	1251	1.84	6.51	-98.2	1.58	15.71		6.40	-0.08	
1636	16.73	1253	1.78	6.51	-97.9	1.66	16.65	315	6.39	~~-0.06~~ -0.07	

① AEM 4/15/08

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-03A-072707	1	Amber Bottle	4°C	PCB	1637
MW-03A-112707	1	HDPE Bottle	4°C	TSS	
↓	3	VOA	HCl	VOA	↓

NOTES: ~low tide

Final Reading (Not the flow cell) 0.42

Signature: [signature]
Date: 11/27/07

① Drawdown was corrected after Corps comments) AEM 4/15/08

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Well ID: MW-4A

Groundwater Sample Collection Record

Client: DOE
Date: 11/28/07 Time: Start 0815 (am/pm)
Project No: NBH
Finish _____ am/pm
Site Location: Aerotex
Weather Conditions: Sunny, Breezy 40°F Collectors: DMF/MKF/GH

1. WATER LEVEL / WELL DATA

Measured Well Depth: 10.5 Height of Water Column: 2.1 0.16 GAL/FT (2 IN) 0.65 GAL/FT (4 IN) = 1.5 GAL/FT (6 IN) _____ Gallons (Volume)

Depth to Water: 8.4 Purged Volume: ~5.0 liters ~1 gallon

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI 600XL			
LaMotte 2020 Turbidimeter			
QED MP10 Controller w/hoses			
QED SPP			
Solinst Model 101 water level 100'			

Time (24 hr)	Temp (°C) ±3%	Spec Cond. (µS/cm) ±3%	DO (mg/L) ±10%	pH ±0.1	ORP (mV) ±10	Turbidity (NTU) ±10%	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
0832	13.33	279	3.41	6.29	73.0	35.1		100	7.57	+.53	
0840	12.96	275	1.53	5.72	60	5.95	0.8		7.44		
0845	12.57	272	1.45	5.55	64.7	2.52	1.3	100	8.15		
0850	12.36	283	1.01	5.74	65.0	1.68	1.8		8.3	+.1	
0855	12.57	275	0.68	5.64	62.6	1.03	2.3		*		
0900	12.70	270	0.51	5.58	58.3	1.81	2.8	80	*		
0905	13.00	269	0.46	5.57	46.7	2.40	3.2		*		
0908	①					3.40	3.6				

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-04A-112807	3	VOA 40ml	HCl	VOC	0825
MW-04A-112807	1	Amber ~~DCB~~ Bottle	4°C	PCB	0835
MW04A-112807	1	HDPE Bottle	4°C	TSS	1245

NOTES:
sump resting on bottom of well
① stopped pump to see if will recharge - yes - 3 min then after 15 min to allow turb to drop - took sample w/ bailer
* no reading

Signature: Jessica M Farley Date: 11/27/07

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Well ID: MW 4

Groundwater Sample Collection Record

Client:	USACE	Date:	11/28/07	Time: Start	0920 am/pm
Project No:	NGH			Finish	1040 am/pm
Site Location:	Aeroxy				
Weather Conditions:	Sunny, Bug	Collectors:	DMF / GH		

1. WATER LEVEL / WELL DATA

Measured Well Depth: 23.71	Height of Water Column:		0.16 GAL/FT (2 IN) 0.65 GAL/FT (4 IN) = 1.5 GAL/FT (6 IN)	Gallons (Volume)
Depth to Water: 9.45'	Purged Volume: ~ 1.19 gallons			

Pump set @ 20' — water level 9.20' Start 0921 HRS

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI 600XL			
LaMotte 2020 Turbidimeter			
QED MP10 Controller w/hoses			
QED sample pro pump			
Solinst Model 101 Water Level 100'			

Time (24 hr)	Temp (°C)	Spec Cond. (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	① Drawdown (Feet)	Color/Odor
0925	14.3	6.68	0.22	6.14	11.7	10.13		-			
0930	14.36	6.19	0.18	6.20	-23.7	5.42	.58	115	9.17		
0936	14.33	6.53	0.59	6.23	-47	3.84	1.3	—	9.13		
0942	14.25	6.53	0.44	6.24	-58.9	2.19	1.99	116	9.1		
0948	14.18	6.53	0.34	6.25	-70.2	1.30	2.7		9.05	~~-.46~~ +.15	
0953	14.18	6.57	0.35	6.26	-77.0	1.05	3.3		9.01	~~-.44~~ +.19	AEM 4/15/08
0956	14.20	6.82	0.34	6.26	-79.6	0.75	3.65		9.00	+.20	
1003	14.28	6.53	0.32	6.26	-80.7	0.87	4.5		9.00	~~-.45~~ +.20	

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-004-112807	1	Amber Bottle	4°C	PCB	1001
↓	1	~~Teflon~~ HDPE Bottle	4°C	TSS	1015
	3	VOA	HCl	VOA	1020

NOTES: Final turbidity 0.87 (no-flow Farwell)

Signature: [signature] Date: 11/28/07

① Recalculated Drawdown with water level at 9.20' after pump had been set AEM 4/15/08

Battelle
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Well ID MW-2

Groundwater Sample Collection Record

Client:	UCAES	Date: 11/28/07	Time:	Start	1055 am/pm
Project No:	NBH			Finish	1230 am/pm
Site Location:	Aeriver				
Weather Conditions:	Sunny Breezy	Collectors:	MIF / GH		

1. WATER LEVEL / WELL DATA

Measured Well Depth: 20.7 Height of Water Column: _____ 0.16 GAL/FT (2 IN) 0.65 GAL/FT (4 IN) = 1.5 GAL/FT (6 IN) _____ Gallons (Volume)

Depth to Water: 5.11 Purged Volume: ~2 gallons

after pump in well - 5.14

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI-600 XL			
LaMotte 2020 Turbidimeter			
QED MP10 controller w/hoses			
QED sample Pro pump			
Solinst Model 101 Water Level			

Time (24 hr)	Temp (°C)	Spec Cond. (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
1100	16.15	1208	0.35	6.58	-25.8	67.3		150	5.14		
1105	16.64	1281	0.76	6.54	-50.3	56.8	.75		5.3		
1110	16.70	1300	0.48	6.54	-60.3	39.6	1.5	150	5.32	-0.18	Cloudy Brown
1115	16.71	1311	0.35	6.55	-70.9	25.8	2.25		5.35	-0.21	
1120	16.88	1316	0.30	6.54	-76.0	21.7	3.0		5.35		
1125	16.76	1330	0.27	6.54	-81.4	21.0	3.75		5.35		
1130	16.98	1362	0.25	6.54	-86.0	15.4	4.5	85	5.45	-0.31	reduce pumping cycle
1135	16.40	1385	0.26	6.54	-88.7	13.7	4.9		5.45		
1140	15.65	1417	0.26	6.54	-92.2	11.4	5.4		5.45		
1146	15.53	1421	0.28	6.53	-94.3	10.75	5.9		5.45		
1150	1550	1419	0.24	6.52	-95.6	12.2	6.24		5.45		
1153	15.62	1421	0.29	6.51	-96.5	10.11	6.5		5.45		
1156	15.62	1418	0.24	6.50	-96.9	9.21	6.8	87	5.45	-0.31	① AEM 4/15/08

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-002-112807	3	VOA 40ml	HCl	VOA	1200
	2	Amber Bottle	4°C	PCB	1205
	1	HDPE Bottle	4°C	TSS	1220

NOTES: Collecting MS/MSD above!

Final turbidity 9.40 (Not the flow-through)

Signature: _____ Date: 11/28/07

① Drawdown calculated after event (after Chip's comments) AEM 4/15/08

Battelle
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Well ID MW 7

Groundwater Sample Collection Record

Client:	USACE	25Nov07	Date: 25Nov07	Time:	Start 1137 am/pm
Project No:	NBH				Finish 1251 am/pm
Site Location:	Helotex				
Weather Conditions:	Sunny		Collectors:	JF EH	

1. WATER LEVEL / WELL DATA

Measured ~~24.0~~ Well Depth: ~~7.66~~ 24.0' Height of Water Column: _____ 0.16 GAL/FT (2 IN) 0.65 GAL/FT (4 IN) = _____ Gallons (Volume) 1.5 GAL/FT (6 IN)

Depth to Water: 5.60' Purged Volume: 5.4 liters ~ 1.4 gallons

pump set @ 20.0' — 5.81' after pump installed
Measured from top of well guard.

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI 600XL			
LaMotte 2020 Turbidimeter			
QED MP10 controller w/ Hoses			
QED Sample Pro Pump			
Solinst Model 101			

Time (24 hr)	3% Temp (°C)	3% Spec Cond. (µS/cm)	10% DO (mg/L)	0.1 pH	10mv ORP (mV)	1% Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor	Volume Removed (L)
1143	17.36	1379	2.34	6.16	-33.1	56.9		150	5.90'			
1148	17.07	~~1184~~	1.20	6.14	-38.8	45.1		—	5.90'			.75
1153	17.04	1164	0.84	6.15	-41.2	29.4		150	6.00'			1.5
1158	16.95	1152	0.73	6.15	-41.6	31.6		—	—			2.25
1204	16.95	1139	0.62	6.16	-42.5	24.6		150	6.06'			3.15
1207	16.95	1129	0.60	6.16	-43.0	17.2		150	6.10'			3.6
1210	16.83	1118	0.53	6.16	-43.9	15.0		150	6.10'			4.1
1213	16.91	1114	0.48	6.16	-44.4	11.0	11.8/10.8	150	—			4.5
1216	16.97	1112	0.46	6.16	-44.5	9.01	9.03	—	—			4.95
1219	17.01	1110	0.45	6.16	-44.4	8.59	9.98	150	6.26'	-.45 ①	AEM 4/15/08	5.4

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-007-112807	3	VOA	HCl		1220
MW-007-112807	1	Amber L. ker, 1-0.5L poly		PCB/TSS	1220
MW-007-112807-REP	3	VOA	HCl		1220
MW-007-112807-REP	1	Amber L. ker, 1-0.5L poly	—	PCB/TSS	1220

NOTES:

Signature: Jennifer McGaley Date: 11/27/07

① Drawdown calculated after the fact (per Corps comments) AEM 4/15/08

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Well ID MW-8S

Groundwater Sample Collection Record

Client: USACE
Date: 11/28/07 Time: Start 1340 am/pm
Project No: NBH
Finish 1445 am/pm
Site Location: Aberdeen
Weather Conditions: Sunny
Collectors: JMF/MCF/GH

1. WATER LEVEL / WELL DATA

Measured Well Depth: 8.4 Height of Water Column: 5.03
0.16 GAL/FT (2 IN)
0.65 GAL/FT (4 IN) = _____ Gallons (Volume)
1.5 GAL/FT (6 IN)

Depth to Water: 3.37- Purged Volume: 11 liters ~ 2.9 gallons
3.38 - once pump in well

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
LaMotte Turbidity Meter			ME 12673
YSI 650 MDS		600	
QED MP10 Controller w/Hoses			
QED Sample Pro Pump			
Solinst Model 101			

Time (24 hr)	3% Temp (°C)	3% Spec Cond. (µS/cm)	10% DO (mg/L)	±0.1 pH	±10 ORP (mV)	10% Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
1348	13.70	264	4.5	6.92	9.2	107.3		250	3.62	-0.24	Rusty Brown
1355	13.57	738	1.52	6.68	-79.3	25.2	1.75		3.55	-0.17	
1400	13.49	797	1.29	6.68	-87.6	11.9	3.0	255	3.55	-0.17	
1405	13.44	860	1.21	6.69	-93.6	7.52	4.3		3.56	-0.18	
1410	13.44	902	1.13	6.69	-97.6	4.91	5.6		3.56	~~-.08~~ 0.18	
1416	13.42	934	1.06	6.70	-101.5	2.63	~~6.6~~ 7.1		3.55	-.20	
1420	13.41	946	1.06	6.70	-103.5	2.23	8.1		3.55		
1425	13.42	959	1.05	6.70	-105.1	1.90	9.4		3.55		
1428	13.43	968	1.01	6.71	-106.5	1.69	10.2		3.55		
1431	13.43	968	1.02	6.71	-107.2	1.69	10.96		3.55	-.20 ①	AEM 4/15/08

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-08S-112807	3	40ml VOA Vial	HCl	VOA	1433
	1	Amber Bottle	4°C	PCB	1435
	~~2~~ 1	HDPE Bottle	4°C	TSS	1439

NOTES:
* Final turbidity 1.47 (NOT thru flow thru cell)
(used pump from MW-2)

Signature: [signature] Date: 11/28/07

① Drawdown calculated (per corps comments) AEM 4/15/08

Equipment Blanks taken after sampling this well
(1) TSS/VOA, PCB(1) - too little Milli-Q

Sampled on 11/29/07 0830 JMF

Battelle
The Business of Innovation

Well ID MW-4B

Groundwater Sample Collection Record

Client:	USACE	Date:	11/28/07	Time: Start	1412 am/pm
Project No:	NBH			Finish	1520 am/pm
Site Location:	Aerovox				
Weather Conditions:	Sunny	Collectors:	MRF		

1. WATER LEVEL / WELL DATA

Measured Well Depth: 41.7 Height of Water Column: _____ 0.16 GAL/FT (2 IN) 0.65 GAL/FT (4 IN) = 1.5 GAL/FT (6 IN) _____ Gallons (Volume)

Depth to Water: ~~6.96 7.96~~ 6.96 Purged Volume: ~ ~~17~~ 6.2 liters ~ 1.2 gallons

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
YSI 600XL			
LaMotte 2020 Turbidimeter			
QED MP10 controller w/hoses			
QED Sample Pro Pump			
Solinst Model 101 water level 100'			

Time (24 hr)	3% Temp (°C)	3% Spec Cond. (µS/cm)	10% DO (mg/L)	±.1 pH	±10 ORP (mV)	10% Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
1413	16.81	1389	1.98	5.35	64.4	8.33	2	250	8.61	-1.65	
1421	16.71	1354	.65	5.13	84.8	1.65	2	75	8.19		
1426	16.72	1338	.83	5.09	91.9	1.64	2.4	220	8.45		
1437	16.68	1324	.52	5.04	97.5	1.98	3.7	110	8.12		
1439	16.66	1324	.60	5.03	102.0	2.16	4.5	110	8.01		
1445	16.62	1330	.60	5.02	104.9	1.71	5.2	110	7.90		
1449	16.63	1330	.59	5.02	106.4	1.72	5.6	110	7.85		
1454	16.67	1331	.57	5.01	107.9	1.61	6.2	110	7.85	~~-.95~~	-0.89 ① AEM 4/15/08

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
MW-04B-112807	3	VOA 40ml Vial	HCl	VOA	1457
↓	1	Amber Bottle	4°C	PCB	↓
↓	1	HDPE Bottle	4°C	TSS	↓

NOTES:

Signature: Jesse M Yoder Date: 11/27/07

① Drawdown recalculated correctly (per Corps comments) AEM 4/15/08

Battelle
The Business of Innovation

Well ID MW-06 (1)

Groundwater Sample Collection Record

Client:	USACE	Date:	11/29/07	Time: Start	0905 am/pm
Project No:	NBH			Finish	am/pm
Site Location:	Aerojet				
Weather Conditions:	Cloudy, Breezy	Collectors:	JMF / MRF		

1. WATER LEVEL / WELL DATA

Measured Well Depth:	12.5	Height of Water Column:		0.16 GAL/FT (2 IN) 0.65 GAL/FT (4 IN) = 1.5 GAL/FT (6 IN)	Gallons (Volume)
Depth to Water:	7.62	Purged Volume:	~5.8 liters ~1.5 gallons		

pump in well depth to H_2O - ~~X~~ .761

2. SAMPLE COLLECTION

Method:

Field Equipment Used:

Equipment	Make	Model	Serial Number
Li-Motte 2020e turbidimeter			MF12673
YSI 600XLM-M		650 MDS	98H1750
QED MP10 Controller		A10115A	B125658
CO2 cylinder			
Solinst Water level meter (200ft)			316303

(1) Well labels, marked on pavement at the Aerojet site, appear to be switched for wells MW-6 + MW-6A. See Discussion in Tech Memo. JMF 2/26/08

Start pump 0921

Time (24 hr)	3% Temp (°C)	3% Spec Cond. (µS/cm)	10% DO (mg/L)	±.1 pH	±10 ORP (mV)	10% Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (mL/min)	Depth to Water (Feet)	Drawdown (Feet)	Color/Odor
0925	11.65	115	8.90	6.43	146.4	435	3	105	7.61	—	slight tan color
0930	11.63	104	8.61	6.01	154.9	34.0	.5	125	7.63	.02	odor
0935	11.63	101	8.46	5.87	162.9	17.5	1.2		7.63	0.02	
0940	11.62	100	8.37	5.83	169.0	12.0	1.9		7.63	0.02	
0945	11.63	100	8.28	5.81	174.0	9.11	2.4	125	7.62	0.01	
0950	11.62	100	8.21	5.79	177.8	6.26	3		7.62	0.01	
0955	11.61	99	8.14	5.77	181.6	5.24	3.7	123	7.62	0.01	fairly clear color
1000	11.65	100	8.07	5.76	184.5	4.01	4.3		7.62	0.01	✓
1003	11.68	100	8.03	5.76	185.8	2.98	4.8		7.62	0.01	✓
1006	11.69	100	7.99	5.76	186.6	2.73	5.0	120	7.60	+0.01	
1009	11.70	100	7.96	5.75	187.9	2.37 (1)	5.36		7.60	+0.01	
1012	11.75	100	7.94	5.75	189.3	2.51 (2)	5.7		7.60	+0.01	

Sample ID	No. Containers	Container Type	Preservation	Analysis Req.	Time
(1) ~~MW06-112907~~	2 (composite of split)	2 HDPE Bottle	4°C	TSS	1019
(1) MW06-112907	6 (composite of split)	VOA Vial	HCl	VOA	1030
(1) MW06-112907	2	Amber Bottle	4°C	PCB	1038

NOTES:
(1) 2nd reading 2.58
(2) 2nd reading 2.52
Final turbidity (not the flowthrough cell) ⇒ 1.91

Signature: [signature] Date: 11/29/07

(1) S/B MW-006-112907 AEM 12/12/07

ATTACHMENT B

Aerovox 2007 Groundwater Monitoring Chemistry Data

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Summary Report for SDG BDO-07-0297,WHL0711197

Start date	27-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-005-112707

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	7.10E-03	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	0.068	UG/L	
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	14.1	MG/L	
Acetone	67-64-1	5	UG/L	U
Benzene	71-43-2	2	UG/L	U
Bromobenzene	108-86-1	2	UG/L	U
Bromodichloromethane	75-27-4	2	UG/L	U
Bromoform	75-25-2	2	UG/L	U
Bromomethane	74-83-9	5	UG/L	U
Carbon Disulfide	75-15-0	2	UG/L	U
Carbon Tetrachloride	56-23-5	2	UG/L	U
Chlorobenzene	108-90-7	2	UG/L	U
Chloroethane	75-00-3	2	UG/L	U
Chloroform	67-66-3	2	UG/L	U
Chloromethane	74-87-3	2	UG/L	U
Cis-1,2-Dichloroethene	156-59-2	2	UG/L	U
Cis-1,3-Dichloropropene	10061-01-5	2	UG/L	U
Dibromochloromethane	124-48-1	2	UG/L	U
Dibromomethane	74-95-3	2	UG/L	U
Dichlorodifluoromethane	75-71-8	2	UG/L	U
Ethylbenzene	100-41-4	2	UG/L	U
Hexachlorobutadiene	V-87-68-3	2	UG/L	U
Isopropylbenzene	98-82-8	2	UG/L	U
Methylene Chloride	75-09-2	5	UG/L	U
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	2	UG/L	U
Naphthalene	V-91-20-3	5	UG/L	U
N-Butylbenzene	104-51-8	5	UG/L	U
N-Propylbenzene	103-65-1	2	UG/L	U
O-Xylene	95-47-6	2	UG/L	U
P-Isopropyltoluene	99-87-6	5	UG/L	U
P/M Xylene	V-106-42-3/108-38-3	4	UG/L	U
Sec-Butylbenzene	135-98-8	5	UG/L	U
Styrene	100-42-5	2	UG/L	U
Tert-Butylbenzene	98-06-6	2	UG/L	U
Tetrachloroethene	127-18-4	2	UG/L	U
Toluene	108-88-3	2	UG/L	U
Trans-1,2-Dichloroethene	156-60-5	2	UG/L	U
Trans-1,3-Dichloropropene	10061-02-6	2	UG/L	U
Trichloroethene	79-01-6	2	UG/L	U
Trichlorofluoromethane	75-69-4	2	UG/L	U
Vinyl Acetate	108-05-4	2	UG/L	U
Vinyl Chloride	75-01-4	2	UG/L	U

Start date	27-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-005-112707

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	2	UG/L	U
1,1-Dichloroethene	75-35-4	2	UG/L	U
1,1-Dichloropropene	563-58-6	2	UG/L	U
1,1,1-Trichloroethane	71-55-6	2	UG/L	U
1,1,1,2-Tetrachloroethane	630-20-6	2	UG/L	U
1,1,2-Trichloroethane	79-00-5	2	UG/L	U
1,1,2,2-Tetrachloroethane	79-34-5	2	UG/L	U
1,2-Dibromoethane	106-93-4	2	UG/L	U
1,2-Dibromo-3-Chloropropane	96-12-8	2	UG/L	U
1,2-Dichlorobenzene	V-95-50-1	2	UG/L	U
1,2-Dichloroethane	107-06-2	2	UG/L	U
1,2-Dichloropropane	78-87-5	2	UG/L	U
1,2,3-Trichlorobenzene	87-61-6	2	UG/L	U
1,2,3-Trichloropropane	96-18-4	2	UG/L	U
1,2,4-Trichlorobenezene	V-120-82-1	2	UG/L	U
1,2,4-Trimethylbenzene	95-63-6	2	UG/L	U
1,3-Dichlorobenzene	V-541-73-1	2	UG/L	U
1,3-Dichloropropane	142-28-9	2	UG/L	U
1,3,5-Trimethylbenzene	108-67-8	2	UG/L	U
1,4-Dichlorobenzene	V-106-46-7	2	UG/L	U
2-Butanone	78-93-3	2	UG/L	U
2-Chloroethyl Vinyl Ether	110-75-8	5	UG/L	U
2-Chlorotoluene	95-49-8	2	UG/L	U
2-Hexanone	591-78-6	5	UG/L	U
2,2-Dichloropropane	594-20-7	2	UG/L	U
4-Chlorotoluene	106-43-4	2	UG/L	U
4-Methyl-2-Pentanone	108-10-1	2	UG/L	U
Dibromofluoromethane	1868-53-7	107	PCT_REC	
Toluene-D8	2037-26-5	95	PCT_REC	
4-Bromofluorobenzene	460-00-4	91	PCT_REC	
1,2-Dichloroethane-D4	17060-07-0	110	PCT_REC	

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	27-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-006-112707

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	73.36	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	1.5	MG/L	
Acetone	67-64-1	50	UG/L	UD
Benzene	71-43-2	20	UG/L	UD
Bromobenzene	108-86-1	20	UG/L	UD
Bromodichloromethane	75-27-4	20	UG/L	UD
Bromoform	75-25-2	20	UG/L	UD
Bromomethane	74-83-9	50	UG/L	UD
Carbon Disulfide	75-15-0	20	UG/L	UD
Carbon Tetrachloride	56-23-5	20	UG/L	UD
Chlorobenzene	108-90-7	20	UG/L	jD
Chloroethane	75-00-3	20	UG/L	UD
Chloroform	67-66-3	20	UG/L	UD
Chloromethane	74-87-3	20	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	1500	UG/L	D
Cis-1,3-Dichloropropene	10061-01-5	20	UG/L	UD
Dibromochloromethane	124-48-1	20	UG/L	UD
Dibromomethane	74-95-3	20	UG/L	UD
Dichlorodifluoromethane	75-71-8	20	UG/L	UD
Ethylbenzene	100-41-4	20	UG/L	UD
Hexachlorobutadiene	V-87-68-3	20	UG/L	UD
Isopropylbenzene	98-82-8	20	UG/L	UD
Methylene Chloride	75-09-2	50	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	20	UG/L	UD
Naphthalene	V-91-20-3	50	UG/L	UD
N-Butylbenzene	104-51-8	50	UG/L	UD
N-Propylbenzene	103-65-1	20	UG/L	UD
O-Xylene	95-47-6	20	UG/L	UD
P-Isopropyltoluene	99-87-6	50	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	40	UG/L	UD
Sec-Butylbenzene	135-98-8	50	UG/L	UD
Styrene	100-42-5	20	UG/L	UD
Tert-Butylbenzene	98-06-6	20	UG/L	UD
Tetrachloroethene	127-18-4	74	UG/L	D
Toluene	108-88-3	20	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	14	UG/L	UD
Trans-1,3-Dichloropropene	10061-02-6	20	UG/L	UD
Trichloroethene	79-01-6	8900	UG/L	D
Trichlorofluoromethane	75-69-4	20	UG/L	UD
Vinyl Acetate	108-05-4	20	UG/L	UD
Vinyl Chloride	75-01-4	120	UG/L	UD

Start date	27-Nov-07	
Lab qc code	SA	
Dilution	1	
Samp id	MW-006-112707	

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	20	UG/L	UD
1,1-Dichloroethene	75-35-4	11	UG/L	UD
1,1-Dichloropropene	563-58-6	20	UG/L	UD
1,1,1-Trichloroethane	71-55-6	39	UG/L	UD
1,1,1,2-Tetrachloroethane	630-20-6	20	UG/L	UD
1,1,2-Trichloroethane	79-00-5	20	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	20	UG/L	UD
1,2-Dibromoethane	106-93-4	20	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	20	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	20	UG/L	UD
1,2-Dichloroethane	107-06-2	20	UG/L	UD
1,2-Dichloropropane	78-87-5	20	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	16	UG/L	UD
1,2,3-Trichloropropane	96-18-4	20	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	44	UG/L	UD
1,2,4-Trimethylbenzene	95-63-6	20	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	20	UG/L	UD
1,3-Dichloropropane	142-28-9	20	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	20	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	20	UG/L	UD
2-Butanone	78-93-3	20	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	50	UG/L	UD
2-Chlorotoluene	95-49-8	20	UG/L	UD
2-Hexanone	591-78-6	50	UG/L	UD
2,2-Dichloropropane	594-20-7	20	UG/L	UD
4-Chlorotoluene	106-43-4	20	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	20	UG/L	UD
Dibromofluoromethane	1868-53-7	102	PCT_REC	D
Toluene-D8	2037-26-5	98	PCT_REC	D
4-Bromofluorobenzene	460-00-4	91	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	104	PCT_REC	D

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	27-Nov-07	
Lab qc code	SA	
Dilution	1	
Samp id	MW-03A-112707	

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	4.65	UG/L	
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	45.4	MG/L	
Acetone	67-64-1	5.8	UG/L	U
Benzene	71-43-2	5.9	UG/L	D
Bromobenzene	108-86-1	4	UG/L	UD
Bromodichloromethane	75-27-4	4	UG/L	UD
Bromoform	75-25-2	4	UG/L	UD
Bromomethane	74-83-9	10	UG/L	UD
Carbon Disulfide	75-15-0	4	UG/L	UD
Carbon Tetrachloride	56-23-5	4	UG/L	UD
Chlorobenzene	108-90-7	380	UG/L	D
Chloroethane	75-00-3	4	UG/L	UD
Chloroform	67-66-3	4	UG/L	UD
Chloromethane	74-87-3	4	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	4	UG/L	UD
Cis-1,3-Dichloropropene	10061-01-5	4	UG/L	UD
Dibromochloromethane	124-48-1	4	UG/L	UD
Dibromomethane	74-95-3	4	UG/L	UD
Dichlorodifluoromethane	75-71-8	4	UG/L	UD
Ethylbenzene	100-41-4	4	UG/L	UD
Hexachlorobutadiene	V-87-68-3	4	UG/L	UD
Isopropylbenzene	98-82-8	4	UG/L	UD
Methylene Chloride	75-09-2	10	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	4	UG/L	UD
Naphthalene	V-91-20-3	10	UG/L	UD
N-Butylbenzene	104-51-8	10	UG/L	UD
N-Propylbenzene	103-65-1	4	UG/L	UD
O-Xylene	95-47-6	4	UG/L	UD
P-Isopropyltoluene	99-87-6	10	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	8	UG/L	UD
Sec-Butylbenzene	135-98-8	10	UG/L	UD
Styrene	100-42-5	4	UG/L	UD
Tert-Butylbenzene	98-06-6	4	UG/L	UD
Tetrachloroethene	127-18-4	4	UG/L	UD
Toluene	108-88-3	4	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	4	UG/L	UD
Trans-1,3-Dichloropropene	10061-02-6	4	UG/L	UD
Trichloroethene	79-01-6	4	UG/L	UD
Trichlorofluoromethane	75-69-4	4	UG/L	UD
Vinyl Acetate	108-05-4	4	UG/L	UD
Vinyl Chloride	75-01-4	4	UG/L	UD

Start date	27-Nov-07	
Lab qc code	SA	
Dilution	1	
Samp id	MW-03A-112707	

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	4	UG/L	UD
1,1-Dichloroethene	75-35-4	4	UG/L	UD
1,1-Dichloropropene	563-58-6	4	UG/L	UD
1,1,1-Trichloroethane	71-55-6	4	UG/L	UD
1,1,1,2-Tetrachloroethane	630-20-6	4	UG/L	UD
1,1,2-Trichloroethane	79-00-5	4	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	4	UG/L	UD
1,2-Dibromoethane	106-93-4	4	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	4	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	4	UG/L	UD
1,2-Dichloroethane	107-06-2	4	UG/L	UD
1,2-Dichloropropane	78-87-5	4	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	4	UG/L	UD
1,2,3-Trichloropropane	96-18-4	4	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	4	UG/L	UD
1,2,4-Trimethylbenzene	95-63-6	4	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	6.2	UG/L	D
1,3-Dichloropropane	142-28-9	4	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	4	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	11	UG/L	D
2-Butanone	78-93-3	4	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	10	UG/L	UD
2-Chlorotoluene	95-49-8	4	UG/L	UD
2-Hexanone	591-78-6	10	UG/L	UD
2,2-Dichloropropane	594-20-7	4	UG/L	UD
4-Chlorotoluene	106-43-4	4	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	4	UG/L	UD
Dibromofluoromethane	1868-53-7	107	PCT_REC	D
Toluene-D8	2037-26-5	93	PCT_REC	D
4-Bromofluorobenzene	460-00-4	95	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	112	PCT_REC	D

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	27-Nov-07	
Lab qc code	SA	
Dilution	1	
Samp id	MW-07A-112707	

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	0.657	UG/L	
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	44.8	MG/L	
Acetone	67-64-1	10	UG/L	UD
Benzene	71-43-2	42	UG/L	D
Bromobenzene	108-86-1	4	UG/L	UD
Bromodichloromethane	75-27-4	4	UG/L	UD
Bromoform	75-25-2	4	UG/L	UD
Bromomethane	74-83-9	10	UG/L	UD
Carbon Disulfide	75-15-0	4	UG/L	UD
Carbon Tetrachloride	56-23-5	4	UG/L	UD
Chlorobenzene	108-90-7	4	UG/L	UD
Chloroethane	75-00-3	4	UG/L	UD
Chloroform	67-66-3	4	UG/L	UD
Chloromethane	74-87-3	4	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	4	UG/L	UD
Cis-1,3-Dichloropropene	10061-01-5	4	UG/L	UD
Dibromochloromethane	124-48-1	4	UG/L	UD
Dibromomethane	74-95-3	4	UG/L	UD
Dichlorodifluoromethane	75-71-8	4	UG/L	UD
Ethylbenzene	100-41-4	4	UG/L	UD
Hexachlorobutadiene	V-87-68-3	4	UG/L	UD
Isopropylbenzene	98-82-8	4	UG/L	UD
Methylene Chloride	75-09-2	10	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	4	UG/L	UD
Naphthalene	V-91-20-3	10	UG/L	UD
N-Butylbenzene	104-51-8	10	UG/L	UD
N-Propylbenzene	103-65-1	4	UG/L	UD
O-Xylene	95-47-6	4	UG/L	UD
P-Isopropyltoluene	99-87-6	10	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	8	UG/L	UD
Sec-Butylbenzene	135-98-8	10	UG/L	UD
Styrene	100-42-5	4	UG/L	UD
Tert-Butylbenzene	98-06-6	4	UG/L	UD
Tetrachloroethene	127-18-4	4	UG/L	UD
Toluene	108-88-3	4	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	4	UG/L	UD
Trans-1,3-Dichloropropene	10061-02-6	4	UG/L	UD
Trichloroethene	79-01-6	4	UG/L	UD
Trichlorofluoromethane	75-69-4	4	UG/L	UD
Vinyl Acetate	108-05-4	4	UG/L	UD
Vinyl Chloride	75-01-4	4	UG/L	UD

Start date	27-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-07A-112707

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	4	UG/L	UD
1,1-Dichloroethene	75-35-4	4	UG/L	UD
1,1-Dichloropropene	563-58-6	4	UG/L	UD
1,1,1-Trichloroethane	71-55-6	4	UG/L	UD
1,1,1,2-Tetrachloroethane	630-20-6	4	UG/L	UD
1,1,2-Trichloroethane	79-00-5	4	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	4	UG/L	UD
1,2-Dibromoethane	106-93-4	4	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	4	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	4	UG/L	UD
1,2-Dichloroethane	107-06-2	4	UG/L	UD
1,2-Dichloropropane	78-87-5	4	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	4	UG/L	UD
1,2,3-Trichloropropane	96-18-4	4	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	4	UG/L	UD
1,2,4-Trimethylbenzene	95-63-6	4	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	4	UG/L	UD
1,3-Dichloropropane	142-28-9	4	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	4	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	4	UG/L	UD
2-Butanone	78-93-3	4	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	10	UG/L	UD
2-Chlorotoluene	95-49-8	4	UG/L	UD
2-Hexanone	591-78-6	10	UG/L	UD
2,2-Dichloropropane	594-20-7	4	UG/L	UD
4-Chlorotoluene	106-43-4	4	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	4	UG/L	UD
Dibromofluoromethane	1868-53-7	106	PCT_REC	D
Toluene-D8	2037-26-5	92	PCT_REC	D
4-Bromofluorobenzene	460-00-4	93	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	111	PCT_REC	D

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	28-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-002-112807

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	27.25	UG/L	
Aroclor 1232	11141-16-5	7.10E-03	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	UJ
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	11.7	MG/L	
Acetone	67-64-1	100	UG/L	UD
Benzene	71-43-2	21	UG/L	jD
Bromobenzene	108-86-1	40	UG/L	UD
Bromodichloromethane	75-27-4	40	UG/L	UD
Bromoform	75-25-2	40	UG/L	UD
Bromomethane	74-83-9	100	UG/L	UJ
Carbon Disulfide	75-15-0	40	UG/L	UD
Carbon Tetrachloride	56-23-5	40	UG/L	UD
Chlorobenzene	108-90-7	2300	UG/L	D
Chloroethane	75-00-3	40	UG/L	UD
Chloroform	67-66-3	40	UG/L	UD
Chloromethane	74-87-3	40	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	40	UG/L	UD
Cis-1,3-Dichloropropene	10061-01-5	40	UG/L	UD
Dibromochloromethane	124-48-1	40	UG/L	UD
Dibromomethane	74-95-3	40	UG/L	UD
Dichlorodifluoromethane	75-71-8	40	UG/L	UD
Ethylbenzene	100-41-4	40	UG/L	UD
Hexachlorobutadiene	V-87-68-3	40	UG/L	UD
Isopropylbenzene	98-82-8	40	UG/L	UD
Methylene Chloride	75-09-2	100	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	40	UG/L	UD
Naphthalene	V-91-20-3	100	UG/L	UD
N-Butylbenzene	104-51-8	100	UG/L	UD
N-Propylbenzene	103-65-1	40	UG/L	UD
O-Xylene	95-47-6	40	UG/L	UD
P-Isopropyltoluene	99-87-6	100	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	80	UG/L	UD
Sec-Butylbenzene	135-98-8	100	UG/L	UD
Styrene	100-42-5	40	UG/L	UD
Tert-Butylbenzene	98-06-6	40	UG/L	UD
Tetrachloroethene	127-18-4	40	UG/L	UD
Toluene	108-88-3	40	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	40	UG/L	UD
Trans-1,3-Dichloropropene	10061-02-6	40	UG/L	UD
Trichloroethene	79-01-6	40	UG/L	UD
Trichlorofluoromethane	75-69-4	40	UG/L	UD
Vinyl Acetate	108-05-4	40	UG/L	UD
Vinyl Chloride	75-01-4	40	UG/L	UD

Start date	28-Nov-07	
Lab qc code	SA	
Dilution	1	
Samp id	MW-002-112807	

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	40	UG/L	UD
1,1-Dichloroethene	75-35-4	40	UG/L	UD
1,1-Dichloropropene	563-58-6	40	UG/L	UD
1,1,1-Trichloroethane	71-55-6	40	UG/L	UD
1,1,1,2-Tetrachloroethane	630-20-6	40	UG/L	UD
1,1,2-Trichloroethane	79-00-5	40	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	40	UG/L	UD
1,2-Dibromoethane	106-93-4	40	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	40	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	40	UG/L	UD
1,2-Dichloroethane	107-06-2	40	UG/L	UD
1,2-Dichloropropane	78-87-5	40	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	40	UG/L	UD
1,2,3-Trichloropropane	96-18-4	40	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	40	UG/L	UD
1,2,4-Trimethylbenzene	95-63-6	40	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	40	UG/L	UD
1,3-Dichloropropane	142-28-9	40	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	40	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	40	UG/L	UD
2-Butanone	78-93-3	40	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	100	UG/L	R
2-Chlorotoluene	95-49-8	40	UG/L	UD
2-Hexanone	591-78-6	100	UG/L	UD
2,2-Dichloropropane	594-20-7	40	UG/L	UD
4-Chlorotoluene	106-43-4	40	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	40	UG/L	UD
Dibromofluoromethane	1868-53-7	112	PCT_REC	D
Toluene-D8	2037-26-5	93	PCT_REC	D
4-Bromofluorobenzene	460-00-4	95	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	117	PCT_REC	D

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	28-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-004-112807

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	23.46	UG/L	
Aroclor 1232	11141-16-5	7.10E-03	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	26.5	MG/L	
Acetone	67-64-1	4.1	UG/L	U
Benzene	71-43-2	3.6	UG/L	
Bromobenzene	108-86-1	2	UG/L	U
Bromodichloromethane	75-27-4	2	UG/L	U
Bromoform	75-25-2	2	UG/L	U
Bromomethane	74-83-9	5	UG/L	U
Carbon Disulfide	75-15-0	2	UG/L	U
Carbon Tetrachloride	56-23-5	2	UG/L	U
Chlorobenzene	108-90-7	56	UG/L	
Chloroethane	75-00-3	2	UG/L	U
Chloroform	67-66-3	2	UG/L	U
Chloromethane	74-87-3	2	UG/L	U
Cis-1,2-Dichloroethene	156-59-2	130	UG/L	
Cis-1,3-Dichloropropene	10061-01-5	2	UG/L	U
Dibromochloromethane	124-48-1	2	UG/L	U
Dibromomethane	74-95-3	2	UG/L	U
Dichlorodifluoromethane	75-71-8	2	UG/L	U
Ethylbenzene	100-41-4	2	UG/L	U
Hexachlorobutadiene	V-87-68-3	2	UG/L	U
Isopropylbenzene	98-82-8	2	UG/L	U
Methylene Chloride	75-09-2	5	UG/L	U
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	2	UG/L	U
Naphthalene	V-91-20-3	5	UG/L	U
N-Butylbenzene	104-51-8	5	UG/L	U
N-Propylbenzene	103-65-1	2	UG/L	U
O-Xylene	95-47-6	2	UG/L	U
P-Isopropyltoluene	99-87-6	5	UG/L	U
P/M Xylene	V-106-42-3/108-38-3	4	UG/L	U
Sec-Butylbenzene	135-98-8	5	UG/L	U
Styrene	100-42-5	2	UG/L	U
Tert-Butylbenzene	98-06-6	2	UG/L	U
Tetrachloroethene	127-18-4	2	UG/L	U
Toluene	108-88-3	2	UG/L	U
Trans-1,2-Dichloroethene	156-60-5	2	UG/L	U
Trans-1,3-Dichloropropene	10061-02-6	2	UG/L	U
Trichloroethene	79-01-6	6.7	UG/L	
Trichlorofluoromethane	75-69-4	2	UG/L	U
Vinyl Acetate	108-05-4	2	UG/L	U
Vinyl Chloride	75-01-4	150	UG/L	

Start date	28-Nov-07	
Lab qc code	SA	
Dilution	1	
Samp id	MW-004-112807	

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	2	UG/L	U
1,1-Dichloroethene	75-35-4	1	UG/L	j
1,1-Dichloropropene	563-58-6	2	UG/L	U
1,1,1-Trichloroethane	71-55-6	2	UG/L	U
1,1,1,2-Tetrachloroethane	630-20-6	2	UG/L	U
1,1,2-Trichloroethane	79-00-5	2	UG/L	U
1,1,2,2-Tetrachloroethane	79-34-5	2	UG/L	U
1,2-Dibromoethane	106-93-4	2	UG/L	U
1,2-Dibromo-3-Chloropropane	96-12-8	2	UG/L	U
1,2-Dichlorobenzene	V-95-50-1	5.6	UG/L	
1,2-Dichloroethane	107-06-2	2	UG/L	U
1,2-Dichloropropane	78-87-5	2	UG/L	U
1,2,3-Trichlorobenzene	87-61-6	2	UG/L	U
1,2,3-Trichloropropane	96-18-4	2	UG/L	U
1,2,4-Trichlorobenezene	V-120-82-1	3	UG/L	
1,2,4-Trimethylbenzene	95-63-6	2	UG/L	U
1,3-Dichlorobenzene	V-541-73-1	23	UG/L	
1,3-Dichloropropane	142-28-9	2	UG/L	U
1,3,5-Trimethylbenzene	108-67-8	2	UG/L	U
1,4-Dichlorobenzene	V-106-46-7	95	UG/L	
2-Butanone	78-93-3	2	UG/L	U
2-Chloroethyl Vinyl Ether	110-75-8	5	UG/L	U
2-Chlorotoluene	95-49-8	2	UG/L	U
2-Hexanone	591-78-6	5	UG/L	U
2,2-Dichloropropane	594-20-7	2	UG/L	U
4-Chlorotoluene	106-43-4	2	UG/L	U
4-Methyl-2-Pentanone	108-10-1	2	UG/L	U
Dibromofluoromethane	1868-53-7	102	PCT_REC	
Toluene-D8	2037-26-5	92	PCT_REC	
4-Bromofluorobenzene	460-00-4	94	PCT_REC	
1,2-Dichloroethane-D4	17060-07-0	105	PCT_REC	

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	28-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-007-112807

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	7.454	UG/L	
Aroclor 1232	11141-16-5	7.10E-03	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	9.7	MG/L	
Acetone	67-64-1	50	UG/L	UD
Benzene	71-43-2	20	UG/L	UD
Bromobenzene	108-86-1	20	UG/L	UD
Bromodichloromethane	75-27-4	20	UG/L	UD
Bromoform	75-25-2	20	UG/L	UD
Bromomethane	74-83-9	50	UG/L	UD
Carbon Disulfide	75-15-0	20	UG/L	UD
Carbon Tetrachloride	56-23-5	20	UG/L	UD
Chlorobenzene	108-90-7	190	UG/L	D
Chloroethane	75-00-3	20	UG/L	UD
Chloroform	67-66-3	20	UG/L	UD
Chloromethane	74-87-3	20	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	2500	UG/L	D
Cis-1,3-Dichloropropene	10061-01-5	20	UG/L	UD
Dibromochloromethane	124-48-1	20	UG/L	UD
Dibromomethane	74-95-3	20	UG/L	UD
Dichlorodifluoromethane	75-71-8	20	UG/L	UD
Ethylbenzene	100-41-4	20	UG/L	UD
Hexachlorobutadiene	V-87-68-3	20	UG/L	UD
Isopropylbenzene	98-82-8	20	UG/L	UD
Methylene Chloride	75-09-2	50	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	20	UG/L	UD
Naphthalene	V-91-20-3	50	UG/L	UD
N-Butylbenzene	104-51-8	50	UG/L	UD
N-Propylbenzene	103-65-1	20	UG/L	UD
O-Xylene	95-47-6	20	UG/L	UD
P-Isopropyltoluene	99-87-6	50	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	40	UG/L	UD
Sec-Butylbenzene	135-98-8	50	UG/L	UD
Styrene	100-42-5	20	UG/L	UD
Tert-Butylbenzene	98-06-6	20	UG/L	UD
Tetrachloroethene	127-18-4	20	UG/L	UD
Toluene	108-88-3	20	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	20	UG/L	UD
Trans-1,3-Dichloropropene	10061-02-6	20	UG/L	UD
Trichloroethene	79-01-6	5400	UG/L	D
Trichlorofluoromethane	75-69-4	20	UG/L	UD
Vinyl Acetate	108-05-4	20	UG/L	UD
Vinyl Chloride	75-01-4	260	UG/L	D

Start date	28-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-007-112807

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	20	UG/L	UD
1,1-Dichloroethene	75-35-4	17	UG/L	jD
1,1-Dichloropropene	563-58-6	20	UG/L	UD
1,1,1-Trichloroethane	71-55-6	20	UG/L	UD
1,1,1,2-Tetrachloroethane	630-20-6	20	UG/L	UD
1,1,2-Trichloroethane	79-00-5	20	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	20	UG/L	UD
1,2-Dibromoethane	106-93-4	20	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	20	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	20	UG/L	UD
1,2-Dichloroethane	107-06-2	20	UG/L	UD
1,2-Dichloropropane	78-87-5	20	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	20	UG/L	UD
1,2,3-Trichloropropane	96-18-4	20	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	28	UG/L	U
1,2,4-Trimethylbenzene	95-63-6	20	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	25	UG/L	D
1,3-Dichloropropane	142-28-9	20	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	20	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	29	UG/L	D
2-Butanone	78-93-3	20	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	50	UG/L	UD
2-Chlorotoluene	95-49-8	20	UG/L	UD
2-Hexanone	591-78-6	50	UG/L	UD
2,2-Dichloropropane	594-20-7	20	UG/L	UD
4-Chlorotoluene	106-43-4	20	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	20	UG/L	UD
Dibromofluoromethane	1868-53-7	102	PCT_REC	D
Toluene-D8	2037-26-5	96	PCT_REC	D
4-Bromofluorobenzene	460-00-4	92	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	106	PCT_REC	D

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	28-Nov-07	
Lab qc code	REP	
Dilution	1	
Samp id	MW-007-112807-REP	

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	6.906	UG/L	
Aroclor 1232	11141-16-5	7.10E-03	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	11.8	MG/L	
Acetone	67-64-1	50	UG/L	UD
Benzene	71-43-2	20	UG/L	UD
Bromobenzene	108-86-1	20	UG/L	UD
Bromodichloromethane	75-27-4	20	UG/L	UD
Bromoform	75-25-2	20	UG/L	UD
Bromomethane	74-83-9	50	UG/L	UD
Carbon Disulfide	75-15-0	20	UG/L	UD
Carbon Tetrachloride	56-23-5	20	UG/L	UD
Chlorobenzene	108-90-7	200	UG/L	D
Chloroethane	75-00-3	20	UG/L	UD
Chloroform	67-66-3	20	UG/L	UD
Chloromethane	74-87-3	20	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	2500	UG/L	D
Cis-1,3-Dichloropropene	10061-01-5	20	UG/L	UD
Dibromochloromethane	124-48-1	20	UG/L	UD
Dibromomethane	74-95-3	20	UG/L	UD
Dichlorodifluoromethane	75-71-8	20	UG/L	UD
Ethylbenzene	100-41-4	20	UG/L	UD
Hexachlorobutadiene	V-87-68-3	20	UG/L	UD
Isopropylbenzene	98-82-8	20	UG/L	UD
Methylene Chloride	75-09-2	50	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	20	UG/L	UD
Naphthalene	V-91-20-3	50	UG/L	UD
N-Butylbenzene	104-51-8	50	UG/L	UD
N-Propylbenzene	103-65-1	20	UG/L	UD
O-Xylene	95-47-6	20	UG/L	UD
P-Isopropyltoluene	99-87-6	50	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	40	UG/L	UD
Sec-Butylbenzene	135-98-8	50	UG/L	UD
Styrene	100-42-5	20	UG/L	UD
Tert-Butylbenzene	98-06-6	20	UG/L	UD
Tetrachloroethene	127-18-4	20	UG/L	UD
Toluene	108-88-3	20	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	20	UG/L	UD
Trans-1,3-Dichloropropene	10061-02-6	20	UG/L	UD
Trichloroethene	79-01-6	5600	UG/L	D
Trichlorofluoromethane	75-69-4	20	UG/L	UD
Vinyl Acetate	108-05-4	20	UG/L	UD
Vinyl Chloride	75-01-4	270	UG/L	D

Start date	28-Nov-07
Lab qc code	REP
Dilution	1
Samp id	MW-007-112807-REP

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	20	UG/L	UD
1,1-Dichloroethene	75-35-4	17	UG/L	jD
1,1-Dichloropropene	563-58-6	20	UG/L	UD
1,1,1-Trichloroethane	71-55-6	20	UG/L	UD
1,1,1,2-Tetrachloroethane	630-20-6	20	UG/L	UD
1,1,2-Trichloroethane	79-00-5	20	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	20	UG/L	UD
1,2-Dibromoethane	106-93-4	20	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	20	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	20	UG/L	UD
1,2-Dichloroethane	107-06-2	20	UG/L	UD
1,2-Dichloropropane	78-87-5	20	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	20	UG/L	UD
1,2,3-Trichloropropane	96-18-4	20	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	30	UG/L	U
1,2,4-Trimethylbenzene	95-63-6	20	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	24	UG/L	D
1,3-Dichloropropane	142-28-9	20	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	20	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	29	UG/L	D
2-Butanone	78-93-3	20	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	50	UG/L	UD
2-Chlorotoluene	95-49-8	20	UG/L	UD
2-Hexanone	591-78-6	50	UG/L	UD
2,2-Dichloropropane	594-20-7	20	UG/L	UD
4-Chlorotoluene	106-43-4	20	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	20	UG/L	UD
Dibromofluoromethane	1868-53-7	104	PCT_REC	D
Toluene-D8	2037-26-5	96	PCT_REC	D
4-Bromofluorobenzene	460-00-4	92	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	104	PCT_REC	D

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	28-Nov-07	
Lab qc code	SA	
Dilution	1	
Samp id	MW-04A-112807	

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	7.10E-03	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	12.63	UG/L	
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	68.7	MG/L	
Acetone	67-64-1	430	UG/L	D
Benzene	71-43-2	10	UG/L	UD
Bromobenzene	108-86-1	10	UG/L	UD
Bromodichloromethane	75-27-4	10	UG/L	UD
Bromoform	75-25-2	10	UG/L	UD
Bromomethane	74-83-9	25	UG/L	UD
Carbon Disulfide	75-15-0	10	UG/L	UD
Carbon Tetrachloride	56-23-5	10	UG/L	UD
Chlorobenzene	108-90-7	10	UG/L	UD
Chloroethane	75-00-3	10	UG/L	UD
Chloroform	67-66-3	10	UG/L	UD
Chloromethane	74-87-3	10	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	11	UG/L	D
Cis-1,3-Dichloropropene	10061-01-5	10	UG/L	UD
Dibromochloromethane	124-48-1	10	UG/L	UD
Dibromomethane	74-95-3	10	UG/L	UD
Dichlorodifluoromethane	75-71-8	10	UG/L	UD
Ethylbenzene	100-41-4	10	UG/L	UD
Hexachlorobutadiene	V-87-68-3	10	UG/L	UD
Isopropylbenzene	98-82-8	10	UG/L	UD
Methylene Chloride	75-09-2	25	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	10	UG/L	UD
Naphthalene	V-91-20-3	25	UG/L	UD
N-Butylbenzene	104-51-8	25	UG/L	UD
N-Propylbenzene	103-65-1	10	UG/L	UD
O-Xylene	95-47-6	10	UG/L	UD
P-Isopropyltoluene	99-87-6	25	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	20	UG/L	UD
Sec-Butylbenzene	135-98-8	25	UG/L	UD
Styrene	100-42-5	10	UG/L	UD
Tert-Butylbenzene	98-06-6	10	UG/L	UD
Tetrachloroethene	127-18-4	10	UG/L	UD
Toluene	108-88-3	10	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	10	UG/L	UD
Trans-1,3-Dichloropropene	10061-02-6	10	UG/L	UD
Trichloroethene	79-01-6	26	UG/L	D
Trichlorofluoromethane	75-69-4	10	UG/L	UD
Vinyl Acetate	108-05-4	10	UG/L	UD
Vinyl Chloride	75-01-4	10	UG/L	UD

Start date	28-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-04A-112807

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	10	UG/L	UD
1,1-Dichloroethene	75-35-4	10	UG/L	UD
1,1-Dichloropropene	563-58-6	10	UG/L	UD
1,1,1-Trichloroethane	71-55-6	10	UG/L	UD
1,1,1,2-Tetrachloroethane	630-20-6	10	UG/L	UD
1,1,2-Trichloroethane	79-00-5	10	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	10	UG/L	UD
1,2-Dibromoethane	106-93-4	10	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	10	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	10	UG/L	UD
1,2-Dichloroethane	107-06-2	10	UG/L	UD
1,2-Dichloropropane	78-87-5	10	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	10	UG/L	UD
1,2,3-Trichloropropane	96-18-4	10	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	10	UG/L	UD
1,2,4-Trimethylbenzene	95-63-6	10	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	10	UG/L	UD
1,3-Dichloropropane	142-28-9	10	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	10	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	10	UG/L	UD
2-Butanone	78-93-3	10	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	25	UG/L	UD
2-Chlorotoluene	95-49-8	10	UG/L	UD
2-Hexanone	591-78-6	25	UG/L	UD
2,2-Dichloropropane	594-20-7	10	UG/L	UD
4-Chlorotoluene	106-43-4	10	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	10	UG/L	UD
Dibromofluoromethane	1868-53-7	105	PCT_REC	D
Toluene-D8	2037-26-5	95	PCT_REC	D
4-Bromofluorobenzene	460-00-4	92	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	109	PCT_REC	D

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	28-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-04B-112807

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	4.474	UG/L	
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	1.9	MG/L	
Acetone	67-64-1	50	UG/L	UD
Benzene	71-43-2	20	UG/L	UD
Bromobenzene	108-86-1	20	UG/L	UD
Bromodichloromethane	75-27-4	20	UG/L	UD
Bromoform	75-25-2	20	UG/L	UD
Bromomethane	74-83-9	50	UG/L	UD
Carbon Disulfide	75-15-0	20	UG/L	UD
Carbon Tetrachloride	56-23-5	20	UG/L	UD
Chlorobenzene	108-90-7	20	UG/L	UD
Chloroethane	75-00-3	20	UG/L	UD
Chloroform	67-66-3	20	UG/L	UD
Chloromethane	74-87-3	20	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	230	UG/L	D
Cis-1,3-Dichloropropene	10061-01-5	20	UG/L	UD
Dibromochloromethane	124-48-1	20	UG/L	UD
Dibromomethane	74-95-3	20	UG/L	UD
Dichlorodifluoromethane	75-71-8	20	UG/L	UD
Ethylbenzene	100-41-4	20	UG/L	UD
Hexachlorobutadiene	V-87-68-3	20	UG/L	UD
Isopropylbenzene	98-82-8	20	UG/L	UD
Methylene Chloride	75-09-2	50	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	20	UG/L	UD
Naphthalene	V-91-20-3	50	UG/L	UD
N-Butylbenzene	104-51-8	50	UG/L	UD
N-Propylbenzene	103-65-1	20	UG/L	UD
O-Xylene	95-47-6	20	UG/L	UD
P-Isopropyltoluene	99-87-6	50	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	40	UG/L	UD
Sec-Butylbenzene	135-98-8	50	UG/L	UD
Styrene	100-42-5	20	UG/L	UD
Tert-Butylbenzene	98-06-6	20	UG/L	UD
Tetrachloroethene	127-18-4	170	UG/L	D
Toluene	108-88-3	20	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	20	UG/L	UD
Trans-1,3-Dichloropropene	10061-02-6	20	UG/L	UD
Trichloroethene	79-01-6	9000	UG/L	D
Trichlorofluoromethane	75-69-4	20	UG/L	UD
Vinyl Acetate	108-05-4	20	UG/L	UD
Vinyl Chloride	75-01-4	18	UG/L	jD

Start date	28-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-04B-112807

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	20	UG/L	UD
1,1-Dichloroethene	75-35-4	17	UG/L	jD
1,1-Dichloropropene	563-58-6	20	UG/L	UD
1,1,1-Trichloroethane	71-55-6	28	UG/L	D
1,1,1,2-Tetrachloroethane	630-20-6	20	UG/L	UD
1,1,2-Trichloroethane	79-00-5	20	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	20	UG/L	UD
1,2-Dibromoethane	106-93-4	20	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	20	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	20	UG/L	UD
1,2-Dichloroethane	107-06-2	20	UG/L	UD
1,2-Dichloropropane	78-87-5	20	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	20	UG/L	UD
1,2,3-Trichloropropane	96-18-4	20	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	11	UG/L	U
1,2,4-Trimethylbenzene	95-63-6	20	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	20	UG/L	UD
1,3-Dichloropropane	142-28-9	20	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	20	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	20	UG/L	UD
2-Butanone	78-93-3	20	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	50	UG/L	UD
2-Chlorotoluene	95-49-8	20	UG/L	UD
2-Hexanone	591-78-6	50	UG/L	UD
2,2-Dichloropropane	594-20-7	20	UG/L	UD
4-Chlorotoluene	106-43-4	20	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	20	UG/L	UD
Dibromofluoromethane	1868-53-7	106	PCT_REC	D
Toluene-D8	2037-26-5	97	PCT_REC	D
4-Bromofluorobenzene	460-00-4	91	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	108	PCT_REC	D

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	28-Nov-07	
Lab qc code	SA	
Dilution	1	
Samp id	MW-08S-112807	

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	7.10E-03	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	0.199	UG/L	
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	5.9	MG/L	
Acetone	67-64-1	4.8	UG/L	U
Benzene	71-43-2	2	UG/L	U
Bromobenzene	108-86-1	2	UG/L	U
Bromodichloromethane	75-27-4	2	UG/L	U
Bromoform	75-25-2	2	UG/L	U
Bromomethane	74-83-9	5	UG/L	U
Carbon Disulfide	75-15-0	2	UG/L	U
Carbon Tetrachloride	56-23-5	2	UG/L	U
Chlorobenzene	108-90-7	1.4	UG/L	j
Chloroethane	75-00-3	2	UG/L	U
Chloroform	67-66-3	2	UG/L	U
Chloromethane	74-87-3	2	UG/L	U
Cis-1,2-Dichloroethene	156-59-2	18	UG/L	
Cis-1,3-Dichloropropene	10061-01-5	2	UG/L	U
Dibromochloromethane	124-48-1	2	UG/L	U
Dibromomethane	74-95-3	2	UG/L	U
Dichlorodifluoromethane	75-71-8	2	UG/L	U
Ethylbenzene	100-41-4	2	UG/L	U
Hexachlorobutadiene	V-87-68-3	2	UG/L	U
Isopropylbenzene	98-82-8	2	UG/L	U
Methylene Chloride	75-09-2	5	UG/L	U
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	2	UG/L	U
Naphthalene	V-91-20-3	5	UG/L	U
N-Butylbenzene	104-51-8	5	UG/L	U
N-Propylbenzene	103-65-1	2	UG/L	U
O-Xylene	95-47-6	2	UG/L	U
P-Isopropyltoluene	99-87-6	5	UG/L	U
P/M Xylene	V-106-42-3/108-38-3	4	UG/L	U
Sec-Butylbenzene	135-98-8	5	UG/L	U
Styrene	100-42-5	2	UG/L	U
Tert-Butylbenzene	98-06-6	2	UG/L	U
Tetrachloroethene	127-18-4	2	UG/L	U
Toluene	108-88-3	2	UG/L	U
Trans-1,2-Dichloroethene	156-60-5	2	UG/L	U
Trans-1,3-Dichloropropene	10061-02-6	2	UG/L	U
Trichloroethene	79-01-6	2.5	UG/L	
Trichlorofluoromethane	75-69-4	2	UG/L	U
Vinyl Acetate	108-05-4	2	UG/L	U
Vinyl Chloride	75-01-4	94	UG/L	

Start date	28-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-08S-112807

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	1.4	UG/L	j
1,1-Dichloroethene	75-35-4	2	UG/L	U
1,1-Dichloropropene	563-58-6	2	UG/L	U
1,1,1-Trichloroethane	71-55-6	2	UG/L	U
1,1,1,2-Tetrachloroethane	630-20-6	2	UG/L	U
1,1,2-Trichloroethane	79-00-5	2	UG/L	U
1,1,2,2-Tetrachloroethane	79-34-5	2	UG/L	U
1,2-Dibromoethane	106-93-4	2	UG/L	U
1,2-Dibromo-3-Chloropropane	96-12-8	2	UG/L	U
1,2-Dichlorobenzene	V-95-50-1	2	UG/L	U
1,2-Dichloroethane	107-06-2	2	UG/L	U
1,2-Dichloropropane	78-87-5	2	UG/L	U
1,2,3-Trichlorobenzene	87-61-6	2	UG/L	U
1,2,3-Trichloropropane	96-18-4	2	UG/L	U
1,2,4-Trichlorobenezene	V-120-82-1	2	UG/L	U
1,2,4-Trimethylbenzene	95-63-6	2	UG/L	U
1,3-Dichlorobenzene	V-541-73-1	1	UG/L	j
1,3-Dichloropropane	142-28-9	2	UG/L	U
1,3,5-Trimethylbenzene	108-67-8	2	UG/L	U
1,4-Dichlorobenzene	V-106-46-7	2.8	UG/L	
2-Butanone	78-93-3	2	UG/L	U
2-Chloroethyl Vinyl Ether	110-75-8	5	UG/L	U
2-Chlorotoluene	95-49-8	2	UG/L	U
2-Hexanone	591-78-6	5	UG/L	U
2,2-Dichloropropane	594-20-7	2	UG/L	U
4-Chlorotoluene	106-43-4	2	UG/L	U
4-Methyl-2-Pentanone	108-10-1	2	UG/L	U
Dibromofluoromethane	1868-53-7	106	PCT_REC	
Toluene-D8	2037-26-5	94	PCT_REC	
4-Bromofluorobenzene	460-00-4	93	PCT_REC	
1,2-Dichloroethane-D4	17060-07-0	108	PCT_REC	

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	29-Nov-07
Lab qc code	SA
Dilution	1
Samp id	EB-112907-01

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	7.10E-03	UG/L	U
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	7.10E-03	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	1	MG/L	U
Acetone	67-64-1	1.9	UG/L	j
Benzene	71-43-2	2	UG/L	U
Bromobenzene	108-86-1	2	UG/L	U
Bromodichloromethane	75-27-4	2	UG/L	U
Bromoform	75-25-2	2	UG/L	U
Bromomethane	74-83-9	5	UG/L	U
Carbon Disulfide	75-15-0	2	UG/L	U
Carbon Tetrachloride	56-23-5	2	UG/L	U
Chlorobenzene	108-90-7	2	UG/L	U
Chloroethane	75-00-3	2	UG/L	U
Chloroform	67-66-3	2	UG/L	U
Chloromethane	74-87-3	2	UG/L	U
Cis-1,2-Dichloroethene	156-59-2	2	UG/L	U
Cis-1,3-Dichloropropene	10061-01-5	2	UG/L	U
Dibromochloromethane	124-48-1	2	UG/L	U
Dibromomethane	74-95-3	2	UG/L	U
Dichlorodifluoromethane	75-71-8	2	UG/L	U
Ethylbenzene	100-41-4	2	UG/L	U
Hexachlorobutadiene	V-87-68-3	2	UG/L	U
Isopropylbenzene	98-82-8	2	UG/L	U
Methylene Chloride	75-09-2	5	UG/L	U
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	2	UG/L	U
Naphthalene	V-91-20-3	5	UG/L	U
N-Butylbenzene	104-51-8	5	UG/L	U
N-Propylbenzene	103-65-1	2	UG/L	U
O-Xylene	95-47-6	2	UG/L	U
P-Isopropyltoluene	99-87-6	5	UG/L	U
P/M Xylene	V-106-42-3/108-38-3	4	UG/L	U
Sec-Butylbenzene	135-98-8	5	UG/L	U
Styrene	100-42-5	2	UG/L	U
Tert-Butylbenzene	98-06-6	2	UG/L	U
Tetrachloroethene	127-18-4	2	UG/L	U
Toluene	108-88-3	2	UG/L	U
Trans-1,2-Dichloroethene	156-60-5	2	UG/L	U
Trans-1,3-Dichloropropene	10061-02-6	2	UG/L	U
Trichloroethene	79-01-6	2	UG/L	U
Trichlorofluoromethane	75-69-4	2	UG/L	U
Vinyl Acetate	108-05-4	2	UG/L	U
Vinyl Chloride	75-01-4	2	UG/L	U

Start date	29-Nov-07
Lab qc code	SA
Dilution	1
Samp id	EB-112907-01

Description	Param code	Result	Unit	Final qual
1,1-Dichloroethane	75-34-3	2	UG/L	U
1,1-Dichloroethene	75-35-4	2	UG/L	U
1,1-Dichloropropene	563-58-6	2	UG/L	U
1,1,1-Trichloroethane	71-55-6	2	UG/L	U
1,1,1,2-Tetrachloroethane	630-20-6	2	UG/L	U
1,1,2-Trichloroethane	79-00-5	2	UG/L	U
1,1,2,2-Tetrachloroethane	79-34-5	2	UG/L	U
1,2-Dibromoethane	106-93-4	2	UG/L	U
1,2-Dibromo-3-Chloropropane	96-12-8	2	UG/L	U
1,2-Dichlorobenzene	V-95-50-1	2	UG/L	U
1,2-Dichloroethane	107-06-2	2	UG/L	U
1,2-Dichloropropane	78-87-5	2	UG/L	U
1,2,3-Trichlorobenzene	87-61-6	2	UG/L	U
1,2,3-Trichloropropane	96-18-4	2	UG/L	U
1,2,4-Trichlorobenezene	V-120-82-1	2	UG/L	U
1,2,4-Trimethylbenzene	95-63-6	2	UG/L	U
1,3-Dichlorobenzene	V-541-73-1	2	UG/L	U
1,3-Dichloropropane	142-28-9	2	UG/L	U
1,3,5-Trimethylbenzene	108-67-8	2	UG/L	U
1,4-Dichlorobenzene	V-106-46-7	2	UG/L	U
2-Butanone	78-93-3	2	UG/L	U
2-Chloroethyl Vinyl Ether	110-75-8	5	UG/L	U
2-Chlorotoluene	95-49-8	2	UG/L	U
2-Hexanone	591-78-6	5	UG/L	U
2,2-Dichloropropane	594-20-7	2	UG/L	U
4-Chlorotoluene	106-43-4	2	UG/L	U
4-Methyl-2-Pentanone	108-10-1	2	UG/L	U
Dibromofluoromethane	1868-53-7	108	PCT_REC	
Toluene-D8	2037-26-5	95	PCT_REC	
4-Bromofluorobenzene	460-00-4	92	PCT_REC	
1,2-Dichloroethane-D4	17060-07-0	112	PCT_REC	

Summary Report for SDG BDO-07-0297,WHL0711197

Start date	29-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-06A-112907

Description	Param code	Result	Unit	Final qual
Aroclor 1016	12674-11-2	6.10E-03	UG/L	U
Aroclor 1221	11104-28-2	3.30E-03	UG/L	U
Aroclor 1232	11141-16-5	7.10E-03	UG/L	
Aroclor 1242	53469-21-9	6.60E-03	UG/L	U
Aroclor 1248	12672-29-6	3.863	UG/L	U
Aroclor 1254	11097-69-1	5.30E-03	UG/L	U
Aroclor 1260	11096-82-5	4.30E-03	UG/L	U
Total suspended solids	TSS	1.7	MG/L	
Acetone	67-64-1	10	UG/L	UD
Benzene	71-43-2	4	UG/L	UD
Bromobenzene	108-86-1	4	UG/L	UD
Bromodichloromethane	75-27-4	4	UG/L	UD
Bromoform	75-25-2	4	UG/L	UD
Bromomethane	74-83-9	10	UG/L	UD
Carbon Disulfide	75-15-0	4	UG/L	UD
Carbon Tetrachloride	56-23-5	4	UG/L	UD
Chlorobenzene	108-90-7	3	UG/L	UD
Chloroethane	75-00-3	4	UG/L	UD
Chloroform	67-66-3	4	UG/L	UD
Chloromethane	74-87-3	4	UG/L	UD
Cis-1,2-Dichloroethene	156-59-2	16	UG/L	D
Cis-1,3-Dichloropropene	10061-01-5	4	UG/L	UD
Dibromochloromethane	124-48-1	4	UG/L	UD
Dibromomethane	74-95-3	4	UG/L	UD
Dichlorodifluoromethane	75-71-8	4	UG/L	UD
Ethylbenzene	100-41-4	4	UG/L	UD
Hexachlorobutadiene	V-87-68-3	4	UG/L	UD
Isopropylbenzene	98-82-8	4	UG/L	UD
Methylene Chloride	75-09-2	10	UG/L	UD
Methyl-Tert-Butyl-Ether (Mtbe)	1634-04-4	4	UG/L	UD
Naphthalene	V-91-20-3	10	UG/L	UD
N-Butylbenzene	104-51-8	10	UG/L	UD
N-Propylbenzene	103-65-1	4	UG/L	UD
O-Xylene	95-47-6	4	UG/L	UD
P-Isopropyltoluene	99-87-6	10	UG/L	UD
P/M Xylene	V-106-42-3/108-38-3	8	UG/L	UD
Sec-Butylbenzene	135-98-8	10	UG/L	UD
Styrene	100-42-5	4	UG/L	UD
Tert-Butylbenzene	98-06-6	4	UG/L	UD
Tetrachloroethene	127-18-4	11	UG/L	D
Toluene	108-88-3	4	UG/L	UD
Trans-1,2-Dichloroethene	156-60-5	4	UG/L	jD
Trans-1,3-Dichloropropene	10061-02-6	4	UG/L	UD
Trichloroethene	79-01-6	130	UG/L	D
Trichlorofluoromethane	75-69-4	4	UG/L	UD
Vinyl Acetate	108-05-4	4	UG/L	UD
Vinyl Chloride	75-01-4	4	UG/L	D

Start date	29-Nov-07
Lab qc code	SA
Dilution	1
Samp id	MW-06A-112907

Description	Param code		Unit	Final qual
1,1-Dichloroethane	75-34-3	4	UG/L	UD
1,1-Dichloroethene	75-35-4	4	UG/L	jD
1,1-Dichloropropene	563-58-6	4	UG/L	UD
1,1,1-Trichloroethane	71-55-6	4	UG/L	D
1,1,1,2-Tetrachloroethane	630-20-6	4	UG/L	UD
1,1,2-Trichloroethane	79-00-5	4	UG/L	UD
1,1,2,2-Tetrachloroethane	79-34-5	4	UG/L	UD
1,2-Dibromoethane	106-93-4	4	UG/L	UD
1,2-Dibromo-3-Chloropropane	96-12-8	4	UG/L	UD
1,2-Dichlorobenzene	V-95-50-1	4	UG/L	UD
1,2-Dichloroethane	107-06-2	4	UG/L	UD
1,2-Dichloropropane	78-87-5	4	UG/L	UD
1,2,3-Trichlorobenzene	87-61-6	4	UG/L	U
1,2,3-Trichloropropane	96-18-4	4	UG/L	UD
1,2,4-Trichlorobenezene	V-120-82-1	4	UG/L	U
1,2,4-Trimethylbenzene	95-63-6	4	UG/L	UD
1,3-Dichlorobenzene	V-541-73-1	4	UG/L	UD
1,3-Dichloropropane	142-28-9	4	UG/L	UD
1,3,5-Trimethylbenzene	108-67-8	4	UG/L	UD
1,4-Dichlorobenzene	V-106-46-7	4	UG/L	UD
2-Butanone	78-93-3	4	UG/L	UD
2-Chloroethyl Vinyl Ether	110-75-8	10	UG/L	UD
2-Chlorotoluene	95-49-8	4	UG/L	UD
2-Hexanone	591-78-6	10	UG/L	UD
2,2-Dichloropropane	594-20-7	4	UG/L	UD
4-Chlorotoluene	106-43-4	4	UG/L	UD
4-Methyl-2-Pentanone	108-10-1	4	UG/L	UD
Dibromofluoromethane	1868-53-7	107	PCT_REC	D
Toluene-D8	2037-26-5	95	PCT_REC	D
4-Bromofluorobenzene	460-00-4	93	PCT_REC	D
1,2-Dichloroethane-D4	17060-07-0	112	PCT_REC	D