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**4th QUARTERLY GROUNDWATER
MONITORING REPORT (FORM 1216)
LOVINGTON 66,
PSTB FACILITY #890
503 SOUTH MAIN STREET
LOVINGTON, NEW MEXICO**

Submitted to:

NMED PSTB

On Behalf of:

*Jack Walstad Oil Company
c/o Maddox, Holloman & Kirksey P.C.
205 East Bender, Ste. 150
Hobbs, New Mexico 88241*

Submitted by:

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Distribution:

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August 26, 2008

073-80008

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:

A handwritten signature in blue ink, reading "Teresa McMillan", written over a horizontal line.

Name: Teresa McMillan
Affiliation: Golder Associates Inc.
Title: Senior Scientist
Date: August 26, 2008

I. INTRODUCTION

On behalf of Jack Walstad, Golder Associates Inc. (Golder) has completed the fourth quarterly groundwater monitoring event at the former Lovington 66 located at 424 South Main Street, Lovington, New Mexico. The monitoring event was completed in accordance with the *Work Plan for Phase I Secondary Investigation activities consisting of monitoring well installation, bail down test and quarterly groundwater monitoring at the Lovington 66 Site, Lovington, New Mexico* prepared by Golder to satisfy the requirements stated in the New Mexico Administrative Code, Title 20, Chapter 5, Section 12 and the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) Guidelines for Corrective Action (GCA). The work plan was approved by the NMED PSTB on July 30, 2007 under work plan identification number (WPID #) 14975. This is the fourth and final deliverable under WPID #14975-5.

The former Lovington 66 Site topography is relatively flat, (Figure 1) and is bounded by Highway 83/Avenue D on the south and Main Street on the east. North of the site is Avenue C and west of the site is commercial property. Southeast of the site is an Allsup's convenience store and self-service gasoline station, which is also a leaking underground storage tank site. A self service gasoline service station is located south of the site. The original Lovington 66 building has been demolished, and presently a McDonald's restaurant is located on the property. The former Lovington 66 was located on the southern portion of the property that now is a parking lot associated with McDonald's. The Lovington 66 dissolved phase plume has migrated across the intersection and is commingled with the Allsup's 109 site.

On August 6 and 7, 2008, fluid levels were measured in eighteen Lovington 66 monitoring wells (V-1, W-1, W-2, W-3, W-5, W-7, W-8, W-9, W-11, W-12, W-13, W-14, W-15, W-16, W-18, W-19, W-20, and W-21), three Allsup's 109 wells (MW-1, MW-2 and MW-3), and groundwater samples were collected from nine Walstad monitoring wells (W-5, W-8, W-9, W-11, W-14, W-16, W-19, W-20, and W-21). Groundwater samples were analyzed for volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX), ethylene dichloride (EDC), methyl tertiary butyl ether (MTBE), and total naphthalenes by Environmental Protection Agency (EPA) Method 8260. In addition, pH, specific conductance, dissolved oxygen (DO), and temperature were monitored in the field.

This report summarizes the results of the monitoring event.

II. ACTIVITIES PERFORMED DURING THIS QUARTER

This section provides a brief description of monitoring activities performed during this monitoring period.

A. Brief Description of Remediation System and Date Installed

A remediation system has not been installed at this site. A summary of corrective action activities that have occurred follows:

- July 1991 – AEI Tank, Inc. (AEI) conducted a site assessment where seven soil borings were advanced within the UST backfill or UST perimeter, and five borings were placed in or near product pipe trenches. Hydrocarbon contamination was observed.
- November 1991 – AEI removed five USTs that contained diesel, unleaded fuels, and used oil and the associated product piping and fuel dispensers. Hydrocarbon contamination was observed in the location of the dispensers and the location of the diesel tank. It was determined that a release likely occurred from overfilling the USTs and from the dispensers and product lines (a large section of product piping had been replaced).
- November and December 1991 – AEI excavated approximately 600 cubic yards of contaminated soil from product line trenches, dispenser islands and tank excavations.
- December 1991 – AEI attempted to delineate the vertical extent of contamination by installing one soil boring. The location of this soil boring was never documented. During the drilling of the boring auger refusal was encountered at 40 feet below ground surface (bgs).
- February 1992 – AEI installed one groundwater monitoring well. Groundwater sample results indicated that groundwater contamination was present above the New Mexico Water Quality Control Commission (NMWQCC) standards.
- March 1992 – AEI installed two additional monitor wells to determine the extent of dissolved phase hydrocarbon contamination. Both wells had dissolved phase hydrocarbon concentrations well above the NMWQCC standards.
- June 1992 – Billings & Associates, Inc (BAI) completed an Interim Hydrogeologic Investigation Report (On-site). During this investigation six soil borings (B-4 through B-9) were advanced at the site to a depth of 40 feet bgs. Heated headspace measurements above action levels were present in all borings except B-8. NAPL was present in the three monitor wells installed by AEI. Three additional monitor wells W-4, W-5, and W-6 were installed. The three new wells exceeded the NMWQCC standards.
- September 1993 – BAI completed a 2nd Interim Hydrogeologic Investigation Report. During this investigation free product recovery efforts commenced using BAI's Product Recovery Filter system. In addition six new monitor wells (W-7 through W-12) and one vertical extent well, V-1, were installed.

- June 1993 – BAI submitted the 3rd Interim Hydrogeologic Investigation Report. Five wells (W-13 through W-17) were installed to delineate the dissolved phase plume. NAPL was present in the vertical extent well V-1, which Billings attributed to leaking casing.
- August 2006 – Golder sampled the Lovington 66 wells as part of an investigation conducted at the Allsup's 109 located downgradient from the Lovington 66 site.
- November 2007 – Golder completed a Continued Secondary Investigation in which three downgradient wells (W-19, W-20, and W-21) were installed and a NAPL bail down test was completed on wells W-2 and W-3. The downgradient extent of contamination was delineated.
- August 2008 – Golder completed four quarters of groundwater monitoring.

B. Description of Activities Performed to Keep System Operating Properly

No active remediation activities have been completed at the site.

C. Monitoring Activities Performed

Groundwater Sampling Activities

Prior to collecting groundwater samples, fluid levels in all existing Lovington 66 and Allsup's #109 wells were gauged with an electronic water level meter or interface probe, except W-10. Well W-10 is located in the middle of Main Street and it was determined that it is a safety risk to gauge this well. Table 1 provides a summary of the groundwater gauging data collected from the monitoring network. A potentiometric surface map (Figure 2) was constructed based on the collected data. Hydrographs for the monitor wells are provided in Appendix A.

On August 6 and 7, 2008, nine Walstad monitoring wells were purged and sampled with disposable polyethylene bailers. Wells were sampled from clean to dirty to the extent possible to minimize cross-contamination. All equipment was decontaminated between wells with an Alconox™ solution to further ensure sample quality. Purge water was ground discharged in accordance with Section 1.7.2 of the GCA. Sampling was accomplished by carefully pouring groundwater from new disposable bailers into the sample containers.

Golder measured field parameters (pH, specific conductance and temperature) with a Hanna HI 991300 water quality meter during purging and prior to sampling. Dissolved oxygen was measured from the first bailer retrieved using a Chemetrics V-2000 meter. Specific conductance, dissolved oxygen, pH, and temperature were recorded on monitoring well sampling field forms. The meters were calibrated and/or

checked against a standard in accordance with manufacturer's specifications prior to use. Monitoring well sampling field forms are provided in Appendix B.

Sample containers, preservatives, analytical methods, and holding times are specified in Table 2. Samples for VOC analysis were collected such that no headspace existed in the sample vial. All samples were preserved in accordance with method requirements, then immediately cooled to 4°C with ice and delivered under chain-of-custody to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. The analytical laboratory report is provided in Appendix C.

NAPL

NAPL remains in four Walstad monitor wells (V-1, W-1, W-2, and W-3); the thickness remained the same in V-1 and increased in W-1, W-2, and W-3. The NAPL thickness in V-1 and W-1 were 4.57 feet and 3.37 feet, respectively. In the two wells that were part of the bail down test, W-2 and W-3, the NAPL thickness was 0.38 feet and 0.18 feet, respectively. NAPL in W-2 and W-3 has still not recovered to the thickness measured prior to the bail down test that was conducted in November 2007.

Groundwater Sampling Results

During this sampling event, the dissolved phase hydrocarbon concentrations were at or above New Mexico Water Quality Control Commissions (NMWQCC) standards in six of the nine monitor wells sampled, with W-14 having the highest benzene concentration of 26,000 µg/L. Wells W-8 and W-14 had BTEX, MTBE, EDC and total naphthalenes concentrations above standards. EDB was present in W-8 at concentrations above standards. Well MW-9 had benzene, ethyl benzene, and EDC concentration above standards. W-16 had benzene, EDC, and total naphthalene concentrations above standards. W-11 had MTBE and EDC concentrations over standards. W-19 had EDC concentration of 19 µg/L, which is above the NMWQCC standard for EDC of 10 µg/L. W-5, W-20 and W-21 were below NMWQCC standards for all compounds analyzed. Figure 3 illustrates the distribution of organic contaminants in groundwater. The laboratory analytical results for select organic compounds are summarized in Table 3.

D. System Performance and Effectiveness

No system has been installed at the site.

E. Statement Verifying Containment of Release

The Lovington 66 dissolved phase plume has migrated southeast across the intersection of Avenue D and Main Street to Avenue E. The NAPL plume appears to have migrated beneath the intersection of Avenue D and Main Street with dissolved phase concentrations observed in W-14 near NAPL levels. The downgradient extent of the dissolved phase plume has been defined by W-20 and W-21.

III. SUMMARY AND CONCLUSIONS

This section summarizes the results, contains a brief discussion of site trends, and provides recommendations for future site activities.

A. Discussion of any Trends or Changes Noted in Analytical Results or Site Conditions

The results of groundwater gauging indicate that water levels have continued to fall when compared to the previous groundwater gauging conducted in May 2008. The overall direction of groundwater flow remains in a southeasterly direction and the hydraulic gradient is 0.003 foot per foot (Figure 2).

NAPL was observed in four wells, V-1, W-1, W-2, and W-3 with thicknesses ranging from 0.18 feet to 4.57 feet. NAPL thicknesses have continued to increase slightly in W-2 and W-3 since the final day of the bail down test in November 2007. Neither of these wells has fully recovered to the pre-bail down test thicknesses, further indicating that the true NAPL thickness was significantly less than the apparent thickness observed in November 2007.

The August 6 and 7, 2008 distribution of dissolved phase organic contaminants is shown on Figure 3. Dissolved phase benzene concentrations in wells MW-8 and MW-14 are at least 2,000 times the NMWQCC standard of 10 µg/L. Hydrocarbon concentrations generally increased in all wells sampled except for wells W-5 and W-11. W-5 hydrocarbon concentrations decreased slightly when compared to the previous monitoring event in May 2008 and W-11 hydrocarbon concentrations generally remained the same as the May 2008 concentrations. Figure 4, 5, and 6 illustrate the distribution of benzene, MTBE and EDC. Concentration trends for benzene and MTBE for select wells are included in Appendix D.

The MNA parameters (dissolved oxygen, and temperature) were measured to evaluate the MNA remedy. The August 6 and 7, 2008 concentrations for MNA parameters are summarized on Table 4 and posted on Figure 7. Copies of the field forms are presented in Appendix B.

B. Ongoing Assessment of Remediation System

No active remediation system has been installed at the site.

C. Recommendations

Based on the results of the groundwater monitoring, the following conclusions and recommendations were prepared:

- Continue groundwater monitoring and include NAPL recovery via hand bailing.

List of Attachments

Tables 1 through 4

Figures 1 through 7

Appendix A – Hydrographs

Appendix B - Field Forms

Appendix C –Analytical Laboratory Reports

Appendix D – Concentration Trends

TABLES

TABLE 1
SUMMARY OF FLUID GAUGING DATA
LOVINGTON 66, LOVINGTON, NEW MEXICO

Monitor Well	Date Measured	Northing ¹	Easting ¹	Casing Elevation ²	Depth to Product ³	Product Thickness ⁴	Depth to Water ³	Groundwater Elevation ²
Allsup's # 109								
MW-1	7-Aug-2008	708392.73	843467.49	3909.74			54.86	3854.88
	12-May-2008						54.36	3855.38
	7-Nov-2007						53.93	3855.81
	8-Aug-2006						54.36	3855.38
	6-Aug-2005						55.07	3854.67
MW-2	7-Aug-2008	708398.53	843584.18	3910.05			55.54	3854.51
	12-May-2008						55.05	3855.00
	7-Nov-2007						54.58	3855.47
	8-Aug-2006						55.04	3855.01
	6-Aug-2005						55.74	3854.31
MW-3	7-Aug-2008	708484.61	843518.13	3910.14			55.15	3854.99
	13-May-2008						54.76	3855.38
	7-Nov-2007						54.22	3855.92
	8-Aug-2006						54.65	3855.49
	6-Aug-2005						55.33	3854.81
Walstad 66								
V-1	7-Aug-2008	708614.74	843348.54	3910.67	53.75	4.55	58.30	3855.78
	13-May-2008				53.41	4.57	57.98	3856.12
	13-Feb-2008				53.01	4.57	57.58	3856.52
	7-Nov-2007				53.01	4.58	57.59	3856.52
	8-Aug-2006				53.32	4.59	57.91	3856.20
	25-May-1993			99.37			56.74	42.63
	29-Aug-1992						56.68	42.69
W-1	7-Aug-2008	708649.18	843347.81	3911.33	54.96	3.31	58.27	3855.54
	13-May-2008				54.25	3.37	57.62	3856.24
	13-Feb-2008				53.89	3.16	57.05	3856.65
	7-Nov-2007				53.91	3.11	57.02	3856.64
	8-Aug-2006				54.23	3.15	57.38	3856.31
	24-May-1993				NAPL Present			
	28-Aug-1993			NAPL Present				
	24-Jun-1992			>30" of NAPL Present				
	8-Jun-1992			>30" of NAPL Present				
	12-Feb-1992			0.125" of NAPL Present				

TABLE 1
SUMMARY OF FLUID GAUGING DATA
LOVINGTON 66, LOVINGTON, NEW MEXICO

Monitor Well	Date Measured	Northing ¹	Easting ¹	Casing Elevation ²	Depth to Product ³	Product Thickness ⁴	Depth to Water ³	Groundwater Elevation ²
W-2	7-Aug-2008	708625.02	843381.13	3910.19	54.34	0.44	54.78	3855.74
	13-May-2008				53.98	0.38	54.36	3856.12
	13-Feb-2008				53.57	0.31	53.88	3856.54
	7-Nov-2007				52.88	3.32	56.20	3856.48
	8-Aug-2006				53.21	5.34	58.55	3855.65
	24-May-1993				NAPL Present			
	28-Aug-1992				NAPL Present			
	24-Jun-1992				>30" of NAPL Present			
	8-Jun-1992				>30" of NAPL Present			
	13-Mar-1992				0.125" of NAPL Present			
	W-3				13-May-2008	708597.90	843348.60	3910.29
13-May-2008		54.08	0.18	54.26	3856.17			
13-Feb-2008		53.65	0.13	53.78	3856.61			
7-Nov-2007		53.01	3.03	56.04	3856.52			
8-Aug-2006		53.30	3.20	56.50	3856.19			
24-May-1993		NAPL Present						
28-Aug-1992		NAPL Present						
24-Jun-1992		>30" of NAPL Present						
8-Jun-1992		>30" of NAPL Present						
13-Mar-1992		0.125" of NAPL Present						
W-4		8-Aug-2006	Well Destroyed					
	25-May-1993			99.62			56.48	43.14
	28-Aug-1992						56.69	42.93
	24-Jun-1992						57.04	42.58
W-5	7-Aug-2008	708759.72	843252.39	3911.71			55.36	3856.35
	12-May-2008						54.87	3856.84
	13-Feb-2008						54.63	3857.08
	7-Nov-2007						54.61	3857.10
	8-Aug-2006						54.88	3856.83
	26-May-1993			100.41			57.02	43.39
	28-Aug-1992						57.24	43.17
	24-Jun-1992						57.59	42.82

TABLE 1
SUMMARY OF FLUID GAUGING DATA
LOVINGTON 66, LOVINGTON, NEW MEXICO

Monitor Well	Date Measured	Northing ¹	Easting ¹	Casing Elevation ²	Depth to Product ³	Product Thickness ⁴	Depth to Water ³	Groundwater Elevation ²
W-6	8-Aug-2006	Well Destroyed						
	26-May-1993			99.48			56.49	42.99
	28-Aug-1992						56.64	42.84
	24-Jun-1992						56.97	42.51
W-7	6-Aug-2008	708910.73	843120.52	3910.88			53.97	3856.91
	12-May-2008						53.55	3857.33
	12-Feb-2008						53.33	3857.55
	7-Nov-2007	708911.67	843120.56	3911.35			53.48	3857.87
	8-Aug-2006						53.74	3857.61
	25-May-1993			100.07			55.96	44.11
	28-Aug-1992						56.29	43.78
W-8	7-Aug-2008	708389.76	843640.62	3909.92			55.64	3854.28
	12-May-2008						55.14	3854.78
	13-Feb-2008						54.79	3855.13
	7-Nov-2007						54.65	3855.27
	8-Aug-2006						55.11	3854.81
	25-May-1993			98.69			57.20	41.49
	28-Aug-1992						57.24	41.45
W-9	7-Aug-2008	708267.18	843790.26	3908.72			55.18	3853.54
	12-May-2008						54.68	3854.04
	13-Feb-2008						54.31	3854.41
	7-Nov-2007						54.12	3854.60
	8-Aug-2006						54.66	3854.06
	25-May-1993			97.47			56.74	40.73
	28-Aug-1992						56.76	40.71
W-10	7-Aug-2008	Unable to gauge well due to traffic constraints						
	12-May-2008	Unable to gauge well due to traffic constraints						
	13-Feb-2008	Unable to gauge well due to traffic constraints						
	8-Aug-2006	708254.54	843452.92	3908.89			53.79	3855.10
	26-May-1993			97.85			55.80	42.05
	28-Aug-1992						56.18	41.67

TABLE 1
SUMMARY OF FLUID GAUGING DATA
LOVINGTON 66, LOVINGTON, NEW MEXICO

Monitor Well	Date Measured	Northing ¹	Easting ¹	Casing Elevation ²	Depth to Product ³	Product Thickness ⁴	Depth to Water ³	Groundwater Elevation ²
W-11	6-Aug-2008	708600.95	843650.96	3909.96			55.14	3854.82
	12-May-2008						54.71	3855.25
	13-Feb-2008						54.41	3855.55
	7-Nov-2007						54.26	3855.70
	8-Aug-2006						54.70	3855.26
	26-May-1993			98.66			56.85	41.81
	28-Aug-1992						56.82	41.84
W-12	6-Aug-2008	708435.38	843045.85	3910.59			54.50	3856.09
	12-May-2008						54.05	3856.54
	12-Feb-2008						53.29	3857.30
	7-Nov-2007						53.72	3856.87
	8-Aug-2006						53.55	3857.04
	26-May-1993			99.34			55.96	43.38
	29-Aug-1992						56.28	43.06
W-13	6-Aug-2008	708915.13	843525.37	3910.36			54.50	3855.86
	12-May-2008						54.08	3856.28
	12-Feb-2008						53.80	3856.56
	7-Nov-2007						53.70	3856.66
	8-Aug-2006						54.01	3856.35
	26-May-1993			99.07			56.25	42.82
	29-Aug-1992						56.36	42.71
W-14	7-Aug-2008	708504.99	843463.76	3909.73			54.65	3855.08
	13-May-2008						54.24	3855.49
	13-Feb-2008						53.80	3855.93
	7-Nov-2007						53.72	3856.01
	8-Aug-2006						54.15	3855.58
	26-May-1993			98.54			56.26	42.28
W-15	6-Aug-2008	708221.99	843030.65	3909.40			53.71	3855.69
	12-May-2008						53.27	3856.13
	12-Feb-2008						53.02	3856.38
	7-Nov-2007	708195.85	843053.51	3909.71			53.11	3856.60
	8-Aug-2006						53.41	3856.30
	26-May-1993				98.49		55.40	43.09

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SUMMARY OF FLUID GAUGING DATA
LOVINGTON 66, LOVINGTON, NEW MEXICO

Monitor Well	Date Measured	Northing ¹	Easting ¹	Casing Elevation ²	Depth to Product ³	Product Thickness ⁴	Depth to Water ³	Groundwater Elevation ²
W-16	7-Aug-2008	708153.28	843364.45	3908.67			54.03	3854.64
	12-May-2008						53.52	3855.15
	13-Feb-2008						53.20	3855.47
	7-Nov-2007						53.06	3855.61
	8-Aug-2006						53.49	3855.18
	26-May-1993				97.44			55.52
W-17	8-Aug-2006	Well Destroyed						
	26-May-1993			96.94			56.86	40.08
W-18	6-Aug-2008	708697.21	843818.98	3909.38			54.90	3854.48
	12-May-2008						54.65	3854.73
	12-Feb-2008						54.13	3855.25
	7-Nov-2007	708698.11	843818.96	3909.50			54.19	3855.31
	8-Aug-2006						54.60	3854.90
	26-May-1993					98.26		56.79
W-19	6-Aug-2008	708148.94	843934.18	3908.36			55.31	3853.05
	12-May-2008						54.88	3853.48
	13-Feb-2008						54.51	3853.85
	7-Nov-2007						54.23	3854.13
W-20	6-Aug-2008	707780.85	844187.25	3907.45			55.53	3851.92
	12-May-2008						55.09	3852.36
	13-Feb-2008						54.69	3852.76
	7-Nov-2007						54.29	3853.16
W-21	6-Aug-2008	707988.79	843841.61	3908.49			55.23	3853.26
	12-May-2008						54.81	3853.68
	13-Feb-2008						54.45	3854.04
	7-Nov-2007						54.19	3854.30

Note:

¹ Horizontal control to NM State Plane Coordinates Central NAD83 Grid Coordinates (in feet)² Vertical Control to NAVD88 Datum in feet above mean sea level³ Measured in feet below the top of casing at survey point on north side of well⁴ Measured in feet

TABLE 2
SUMMARY OF SAMPLE ANALYTICAL AND QUALITY CONTROL REQUIREMENTS
LOVINGTON 66, LOVINGTON, NEW MEXICO

Target Analytes	Matrix	Analytical Method	Sample Container	Preservative	Holding Time
VOCs	Water	EPA 8260	3 x 40- mL glass vials	Mercuric Chloride; Cool to 4°C	14 days

Notes:

EPA = U.S. Environmental Protection Agency

TABLE 3
SUMMARY OF GROUNDWATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS
LOVINGTON 66, LOVINGTON, NEW MEXICO

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	EDB	EDC	Total Naphthalenes
W-2	13-Mar-92	29,878	28,953	3,874	13,109	5,921	NA	NA	NA
W-3	13-Mar-92	10,493	8,961	1,253	5,320	5,150	NA	NA	NA
W-4	25-May-93	2,500	980	310	470	<63	NA	NA	NA
	28-Aug-92	1,400	430	95	300	<2.5	NA	NA	NA
	24-Jun-92	200	53	21	40	<5.0	NA	NA	NA
W-5	7-Aug-08	5.2	<1.0	3.7	<1.5	39	<1.0	<1.0	<2.0
	12-May-08	16	<1.0	7.6	<1.5	65	<1.0	<1.0	<2.0
	13-Feb-08	26	1.1	24	<1.5	140	<1.0	<1.0	4.5
	7-Nov-07	45	8.5	29	15	170	<1.0	<1.0	4.9
	9-Aug-06	2.0	<1.0	3.7	<3.0	22	<1.0	<1.0	<2.0
	28-Aug-92	850	400	58	450	3.3	NA	NA	NA
	24-Jun-92	470	250	41	290	<10	NA	NA	NA
W-6	28-Aug-92	3,000	2,700	93	860	<2.5	NA	NA	NA
	24-Jun-92	1,400	1,200	48	500	<25	NA	NA	NA
W-7	7-Nov-07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0
	8-Aug-06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	<2.0
	25-May-93	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	28-Aug-92	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
W-8	7-Aug-08	20,000	24,000	2,400	11,000	8,600	270	2,900	670
	12-May-08	19,000	22,000	1,800	8,000	4,900	250	2,100	400
	13-Feb-08	27,000	39,000	4,800	16,000	8,600	670	4,000	1,350
	7-Nov-07	20,000	27,000	3,200	15,000	5,900	440	4,100	770
	9-Aug-06	21,000	29,000	2,600	13,000	6,300	<500	3,700	1,100
	4-Aug-05	27,000	35,000	3,800	18,000	3,700	1,100	4,300	622
	25-May-93	12,000	8,300	1,500	8,800	<250	NA	NA	NA
	28-Aug-92	8,000	9,500	690	5,200	<2.5	NA	NA	NA
W-9	7-Aug-08	5,100	<100	830	300	<100	<100	520	<200
	12-May-08	3,000	63	800	360	<10	<10	480	228
	13-Feb-08	7,500	130	910	590	<10	<10	450	129
	7-Nov-07	6,500	120	620	450	<10	<10	360	51
	9-Aug-06	6,700	560	1,200	1,400	<150	<100	650	250
	4-Aug-05	4,300	180	850	830	<1.0	<0.01	320	28.5
	25-May-93	100	6.3	2.5	170	<5.0	NA	NA	NA
	28-Aug-92	130	8.2	16	140	<2.5	NA	NA	NA
W-10*	9-Aug-06	420	<1.0	31	<3.0	22	<1.0	12	121
	4-Aug-05	940	2.6	930	140	2,400	0.11	48	27.1
	28-Aug-92	1,100	11.0	120	440	<2.5	NA	NA	NA

TABLE 3
SUMMARY OF GROUNDWATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS
LOVINGTON 66, LOVINGTON, NEW MEXICO

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	EDB	EDC	Total Naphthalenes
W-11	6-Aug-08	3.2	<1.0	28	2.5	610	<1.0	38	<2.0
	12-May-08	3.0	<1.0	31	3.7	740	<1.0	36	<2.0
	13-Feb-08	3.2	<1.0	41	5.1	540	<1.0	37	<2.0
	7-Nov-07	18	<1.0	38	13	540	<1.0	35	<2.0
	9-Aug-06	5.0	<1.0	62	44	88	<1.0	33	<2.0
	28-Aug-92	770	13	13	280	<2.5	NA	NA	NA
W-12	8-Aug-06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	<2.0
	29-Aug-92	87	6.1	2.6	180	<2.5	NA	NA	NA
W-13	8-Aug-06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	<2.0
	29-Aug-92	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NAA
W-14	7-Aug-08	26,000	20,000	4,400	11,000	3,700	<100	160	840
	13-May-08	14,000	6,500	2,800	6,300	2,400	<10	170	1,001
	13-Feb-08	30,000	23,000	4,900	13,000	4,400	<50	210	1,270
	9-Aug-06	25,000	23,000	4,000	9,500	4,700	<500	<500	1,200
	5-Aug-05	27,000	26,000	4,900	9,500	7,600	3.3	120	413
	26-May-93	6,600	4,300	1,200	4,000	<125	NA	NA	NA
W-15	8-Aug-06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	<2.0
	26-May-93	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
W-16	7-Aug-08	790	<1.0	5.4	<1.5	59	<1.0	17	352
	12-May-08	690	<1.0	12	3.6	60	<1.0	21	327
	13-Feb-08	630	<1.0	12	8.6	47	<1.0	17	342
	7-Nov-07	640	<1.0	22	12	55	<1.0	23	363
	8-Aug-06	1.3	14	2.9	<3	<1.5	<1.0	<1.0	<2.0
	26-May-93	52	<0.5	7.9	15	<2.5	NA	NA	NA
W-17	26-May-93	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
W-18	8-Aug-06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	<2.0
	26-May-93	1.6	1.8	<0.5	2.0	<2.5	NA	NA	NA
W-19	6-Aug-08	2.4	<1.0	<1.0	<1.5	<1.0	<1.0	19	<2.0
	12-May-08	1.6	<1.0	<1.0	<1.5	<1.0	<1.0	9.2	<2.0
	13-Feb-08	2.4	<1.0	<1.0	<1.5	<1.5	<1.0	10	<2.0
	8-Nov-07	4.3	<1.0	<1.0	<1.5	<1.5	<1.0	23	<2.0
W-20	6-Aug-08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0
	12-May-08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0
	13-Feb-08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0
	8-Nov-07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0
W-21	6-Aug-08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0
	12-May-08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0
	12-Feb-08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0
	8-Nov-07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0

TABLE 3
SUMMARY OF GROUNDWATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS
LOVINGTON 66, LOVINGTON, NEW MEXICO

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	EDB	EDC	Total Naphthalenes
V-1	25-May-93	5,000	14,000	3,000	10,000	600	NA	NA	NA
	29-Aug-92	250	680	240	810	<2.5	NA	NA	NA

Notes:

All concentrations in micrograms per liter (parts per billion)

MTBE = Methyl tertiary butyl ether

EDB = Ethylene dibromide

EDC = Ethylene dichloride

W-10 and W-16 sample containers were labeled incorrectly, therefore results reported for August 8 and 9, 2006 have been switched.

NA = Not Analyzed

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
INORGANIC COMPOUNDS AND GEOCHEMICAL INDICATORS
LOVINGTON 66 LOVINGTON, NEW MEXICO

Well Number	Date Sampled	pH	SpC (uS/cm)	Temp	DO (mg/L)	ORP (mV)
V-1	13-May-08	NAPL Present				
	13-Feb-08	NAPL Present				
	7-Nov-07	NAPL Present				
	8-Aug-06	NAPL Present				
W-1	13-May-08	NAPL Present				
	13-Feb-08	NAPL Present				
	7-Nov-07	NAPL Present				
	8-Aug-06	NAPL Present				
W-2	13-May-08	NAPL Present				
	13-Feb-08	NAPL Present				
	7-Nov-07	NAPL Present				
	8-Aug-06	NAPL Present				
W-3	13-May-08	NAPL Present				
	13-Feb-08	NAPL Present				
	7-Nov-07	NAPL Present				
	8-Aug-06	NAPL Present				
W-5	7-Aug-08	6.79	1,620	19.5	0.37	NA
	12-May-08	6.74	1,766	20.3	0.25	NA
	13-Feb-08	6.74	2,237	18.8	0.78	NA
	7-Nov-07	NA	2,454	19.7	0.15	NA
	9-Aug-06	6.34	2,110	21.8	0.47	-88
W-7	7-Nov-07	NA	1,200	19.7	5.30	NA
	8-Aug-06	6.78	1,475	19.3	2.43	226
W-8	7-Aug-08	6.77	1,035	20.5	0.36	NA
	12-May-08	6.72	1,079	20.2	NA	NA
	13-Feb-08	6.15	1,109	20.6	0.65	NA
	7-Nov-07	NA	1,235	19.7	1.26	NA
	9-Aug-06	6.63	1,260	22.9	0.60	-311
	6-Aug-05	6.78	1,090	20.23	3.13	234
W-9	7-Aug-08	6.70	1,035	20.0	0.72	NA
	12-May-08	6.76	1,020	19.5	NA	NA
	13-Feb-08	6.73	1,076	20.1	0.68	NA
	7-Nov-07	NA	1,183	19.5	1.12	NA
	9-Aug-06	6.42	1,230	22.5	0.44	-218
	6-Aug-05	6.77	1,050	20.20	3.29	211

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
INORGANIC COMPOUNDS AND GEOCHEMICAL INDICATORS
LOVINGTON 66 LOVINGTON, NEW MEXICO

Well Number	Date Sampled	pH	SpC (uS/cm)	Temp	DO (mg/L)	ORP (mV)
W-10	7-Aug-08	Well Not Sampled Due to Location				
	12-May-08	Well Not Sampled Due to Location				
	7-Nov-07	Well Not Sampled Due to Location				
	9-Aug-06	6.50	2,400	22.1	0.00	-175
	6-Aug-05	6.87	1,610	20.76	3.74	201
W-11	6-Aug-08	6.71	1,340	21.8	0.84	NA
	12-May-08	6.75	1,456	20.6	1.19	NA
	13-Feb-08	6.79	1,432	21.1	0.64	NA
	7-Nov-07	NA	1,592	21	0.28	NA
	9-Aug-06	6.38	1,760	22.2	0.17	-97
W-12	8-Aug-06	7.20	880	21.8	2.22	168
W-13	8-Aug-06	5.37	1,111	15.9	1.85	219
W-14	7-Aug-08	6.69	1,357	21.3	0.59	NA
	13-May-08	6.67	1,519	20.6	NA	NA
	13-Feb-08	6.72	1,537	20.6	0.54	NA
	7-Nov-07	NA	NA	NA	NA	NA
	9-Aug-06	6.59	1,850	23.4	0.00	-290
W-15	8-Aug-06	6.41	1,240	18.5	3.96	267
W-16	7-Aug-08	6.63	1,870	20.0	0.31	NA
	12-May-08	6.65	1,859	20.6	0.08	NA
	13-Feb-08	6.67	1,879	20.3	0.27	NA
	7-Nov-07	NA	2,072	20.7	0.11	NA
	8-Aug-06	6.33	2,080	22.4	1.20	-113
W-18	8-Aug-06	6.24	1,090	21.1	1.20	186
W-19	6-Aug-08	6.67	863	21.9	8.74	NA
	12-May-08	6.77	869	20.6	7.65	NA
	13-Feb-08	6.84	901	19.3	7.05	NA
	7-Nov-07	NA	1,214	19.5	NA	NA
W-20	6-Aug-08	7.00	635	20.2	7.21	NA
	12-May-08	7.04	723	20.7	7.18	NA
	12-Feb-08	7.13	816	16.6	7.13	NA
	7-Nov-07	NA	1,185	19.5	NA	NA

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
INORGANIC COMPOUNDS AND GEOCHEMICAL INDICATORS
LOVINGTON 66 LOVINGTON, NEW MEXICO

Well Number	Date Sampled	pH	SpC (uS/cm)	Temp	DO (mg/L)	ORP (mV)
W-21	6-Aug-08	6.60	1,230	20.2	7.89	NA
	12-May-08	6.75	1,269	19.9	5.59	NA
	13-Feb-08	6.68	1,285	17.9	6.34	NA
	7-Nov-07	NA	2,544	20.2	NA	NA

Notes:

DO = Dissolved oxygen

mg/L = Milligrams per liter

mV = Millivolts

NA = Not analyzed

ORP = Oxidation-reduction potential in milli volts (mV)

SpC = Specific conductance measured in micro siemens per centimeter (uS/cm)

Temp = Temperature in degrees Celsius

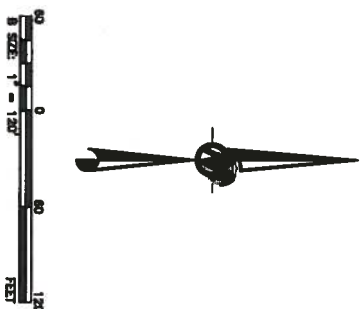
uS/cm = Microsiemens per centimeter

FIGURES



LEGEND:

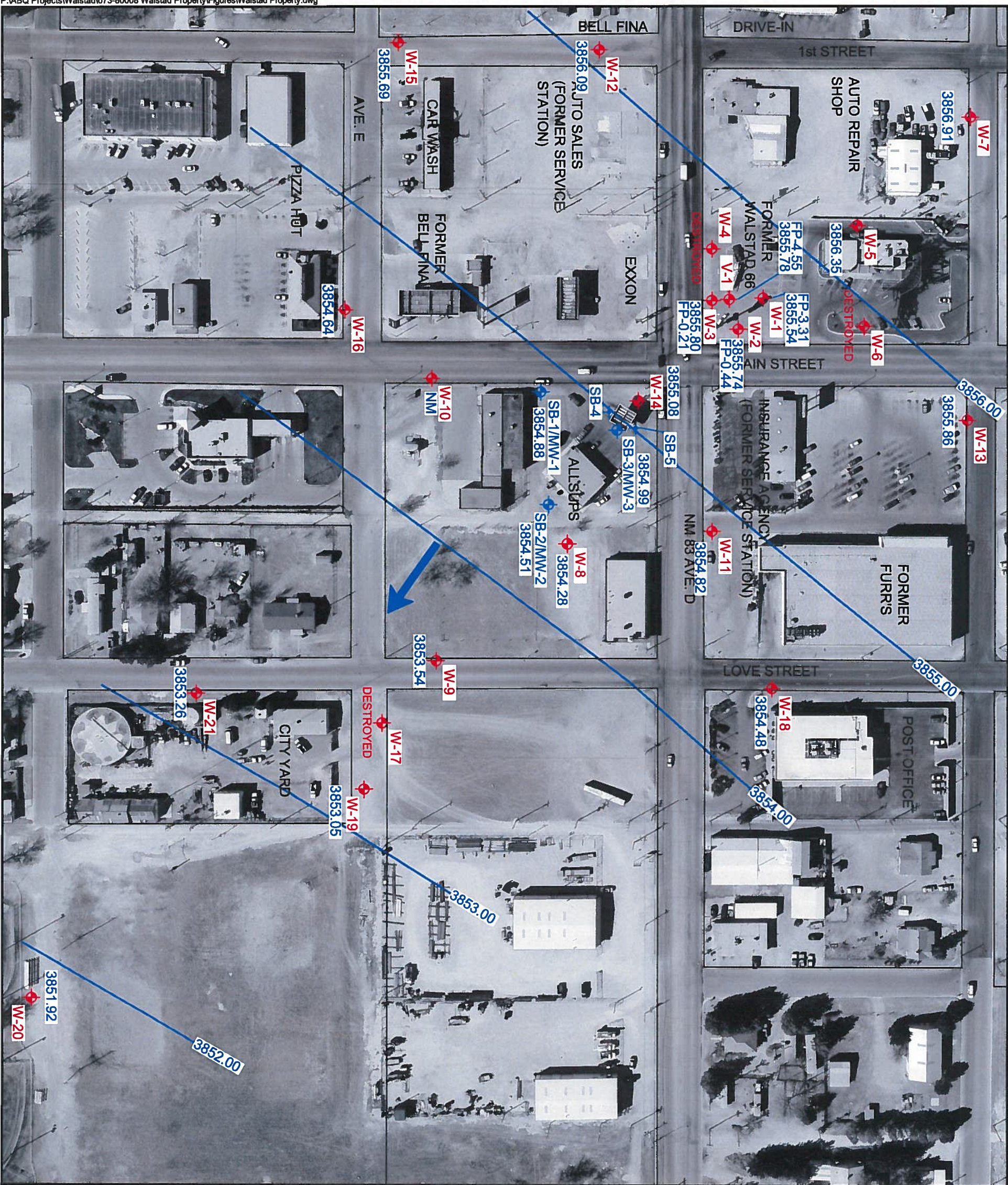
- ◆ W-1 LOVINGTON 66 MONITORING WELL
- ◆ SB-1/MW-1 ALLSUPS SOIL BORING/
MONITORING WELL
- + SB-1 ALLSUPS SOIL BORING



PROJECT
LOVINGTON 66
424 SOUTH MAIN
LOVINGTON, NEW MEXICO

SITE MAP

		PROJECT No. 073-80008		FILE No. Walstad Property.dwg	
DESIGN	TL	09/31/08	SCALE	AS SHOWN	REV. A
CADD	RLD	09/16/08	FIGURE 1		
CHECK	TL	09/16/08			
REVIEW	JS	09/16/08			



LEGEND:

W-1
3855.54

LOVINGTON 66 MONITORING WELL
WITH GROUNDWATER ELEVATION
(FEET ABOVE MEAN SEA LEVEL)

SB-1/MW-1

ALL SUPS SOIL BORING/
MONITORING WELL LOCATION

SB-1

ALL SUPS SOIL BORING

3855.00

POTENTIOMETRIC
GROUNDWATER SURFACE
ELEVATION (FEET ABOVE
MEAN SEA LEVEL)



GROUNDWATER
FLOW DIRECTION



PROJECT

LOVINGTON 66
424 SOUTH MAIN
LOVINGTON, NEW MEXICO

TITLE

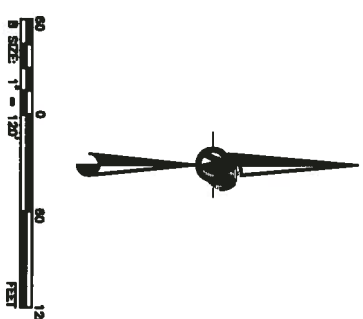
POTENTIOMETRIC
SURFACE MAP
AUGUST 2008

		PROJECT No. 073-80008		FILE No. Walstad Property.dwg	
DESIGN	TN	09/21/08	SCALE	AS SHOWN	REV.
CHECK	TN	09/18/08	FIGURE 2		
REVIEW	JS	09/18/08			



LEGEND:

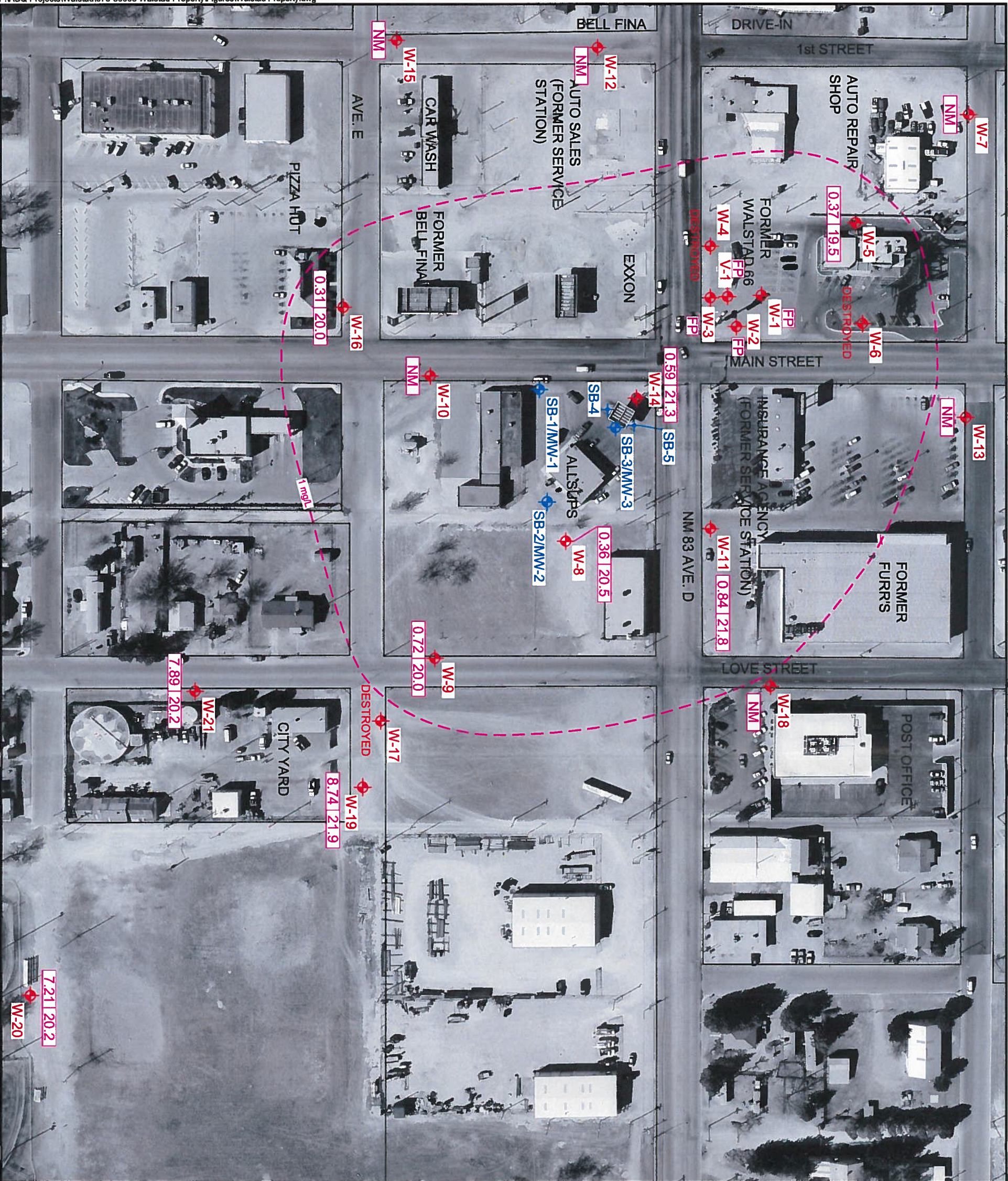
- ◆ W-20 <1 LOVINGTON 66 MONITORING WELL WITH BENZENE CONCENTRATIONS ($\mu\text{g/L}$)
- ◆ SB-1/MW-1 ALLSUP'S SOIL BORING/ MONITORING WELL WITH BENZENE CONCENTRATIONS ($\mu\text{g/L}$)
- ◆ SB-1 ALLSUP'S SOIL BORING
- 10 $\mu\text{g/L}$ BENZENE CONCENTRATION CONTOUR
- FP FREE PRODUCT
- NS NOT SAMPLED



PROJECT
LOVINGTON 66
424 SOUTH MAIN
LOVINGTON, NEW MEXICO

TITLE
**DISTRIBUTION OF BENZENE
IN GROUNDWATER
AUGUST 2008**

 Golder Associates Albuquerque, New Mexico		PROJECT No.	073-80008	FILE No.	Walstad Property.dwg			
		DESIGN	TM	09/21/06	SCALE	AS SHOWN	REV.	A
		CADD	TM	09/18/06	FIGURE 4			
		CHECK	TM	09/18/06				
		REVIEW	JS	09/18/06				



LEGEND:

- W-1 LOVINGTON 66 MONITORING WELL
- SB-1/MW-1 ALLSUP'S SOIL BORING/ MONITORING WELL
- SB-1 ALLSUP'S SOIL BORING

NM NOT MEASURED

DO	TEMP
----	------

DISSOLVED OXYGEN (DO) CONCENTRATIONS ARE IN MILLIGRAMS PER LITER

TEMPERATURE (TEMP) VALUES ARE IN DEGREES CELSIUS



PROJECT
WALSTAD 66
424 SOUTH MAIN
LOVINGTON, NEW MEXICO

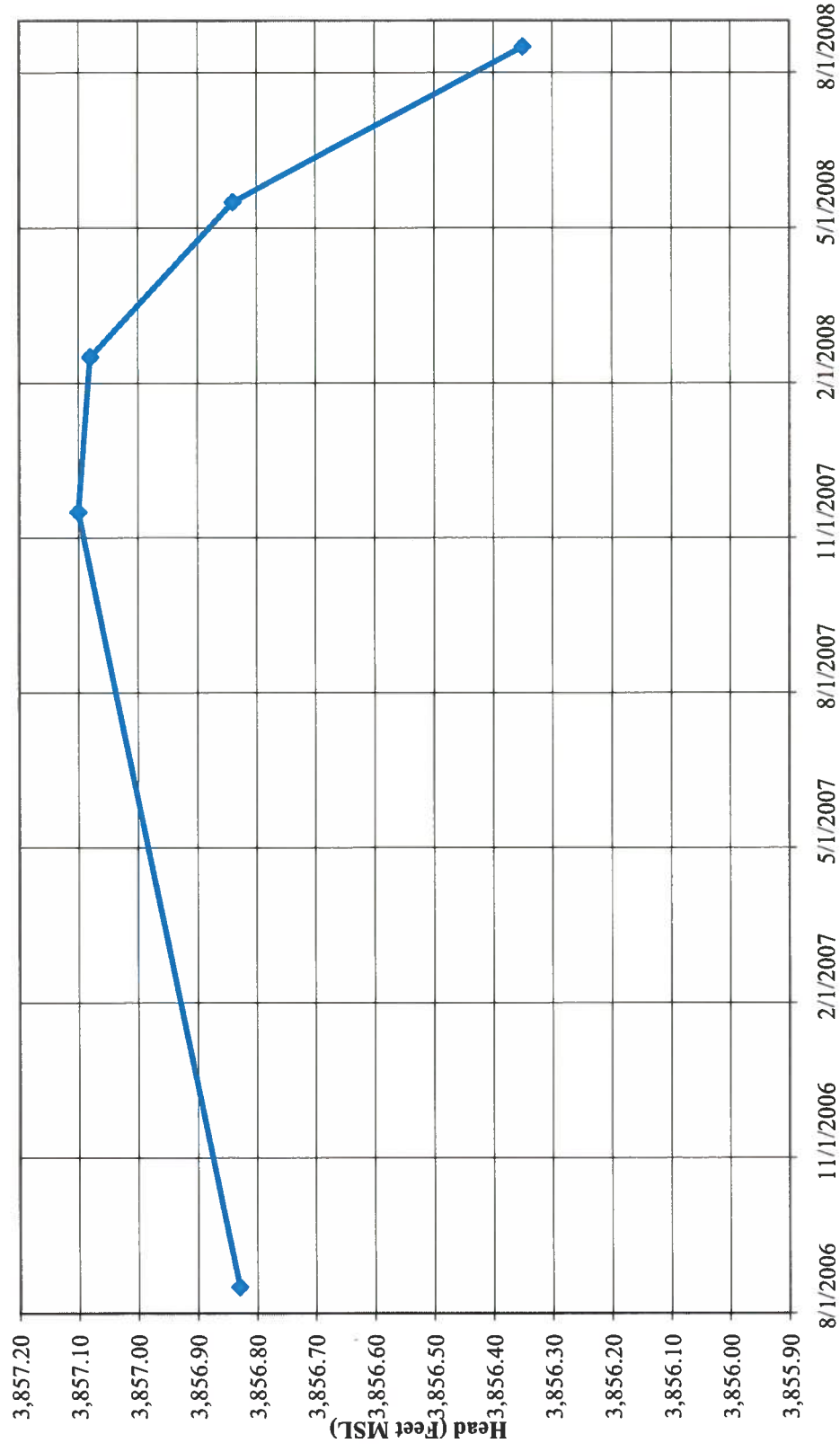
TITLE
**DISTRIBUTION OF MNA
PARAMETERS IN GROUNDWATER
AUGUST 2008**

		PROJECT No. 073-80008		FILE No. Walstad Property.dwg	
DESIGN	TL	08/31/08	SCALE	AS SHOWN	REV. A
CADD	RLD	09/18/08			
CHECK	TL	09/18/08			
REVIEW	JS	09/18/08			

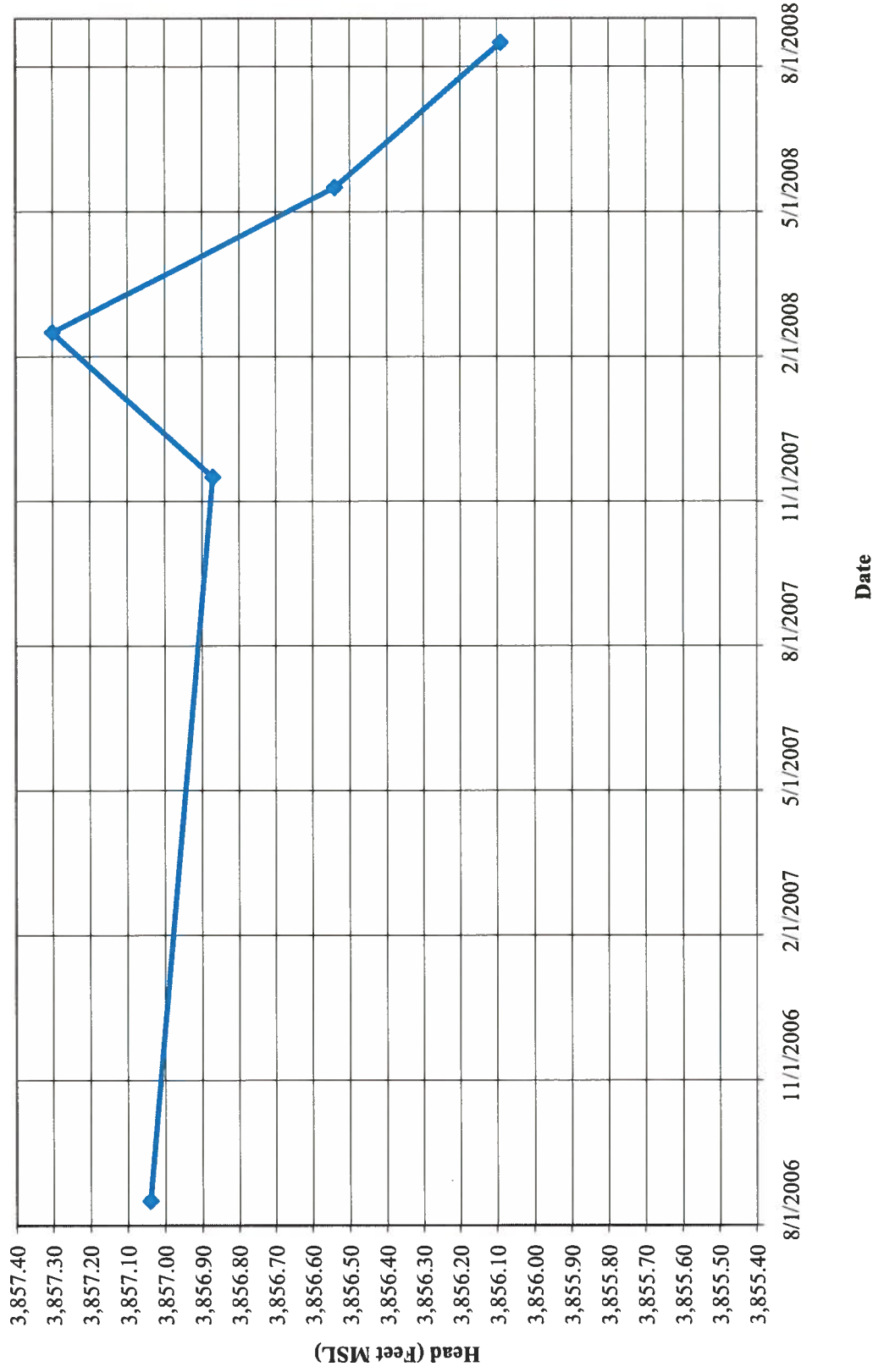
FIGURE 7

APPENDIX A
HYDROGRAPHS

HYDROGRAPH FOR WELL W-5

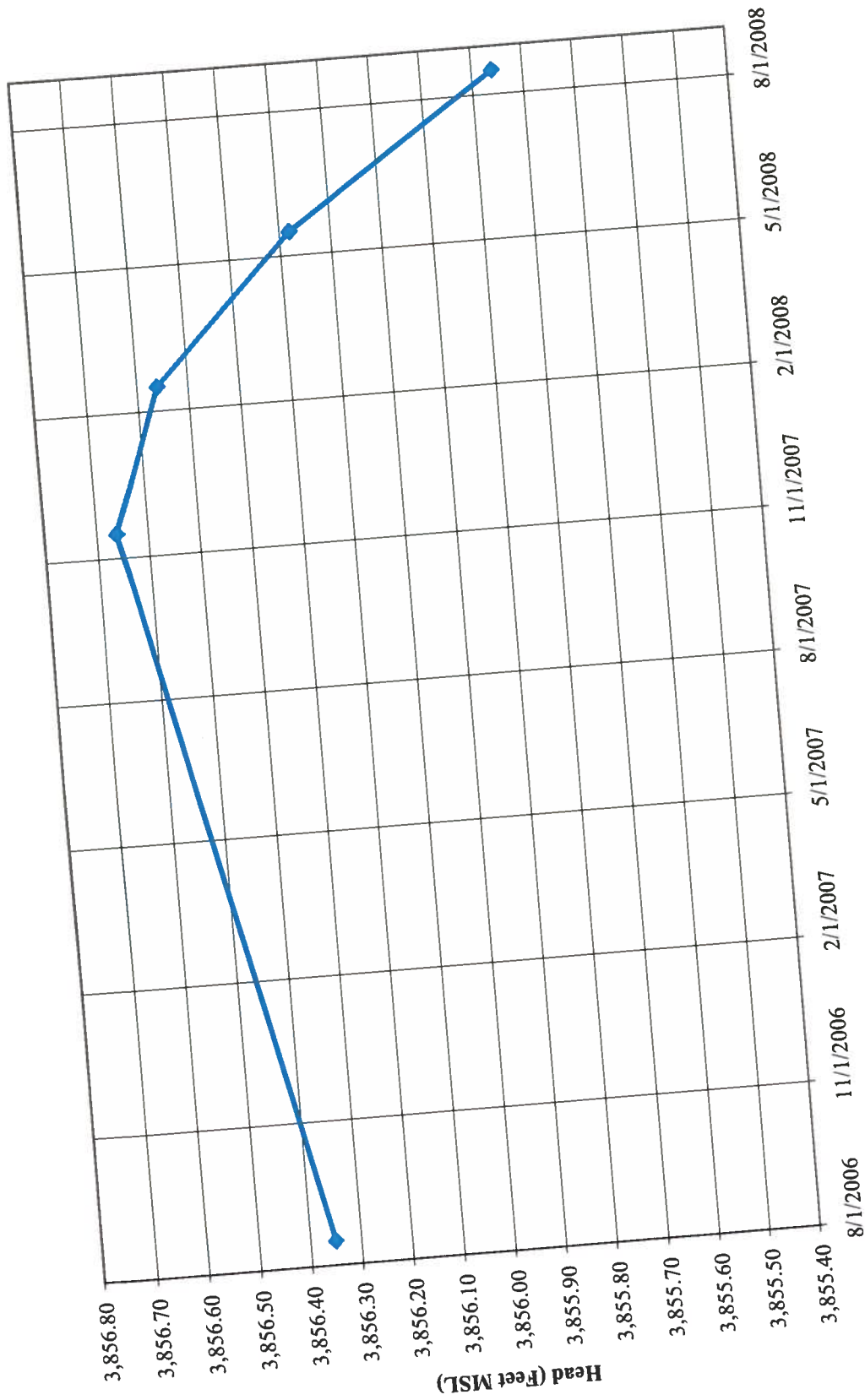


HYDROGRAPH FOR WELL W-12



August 2008

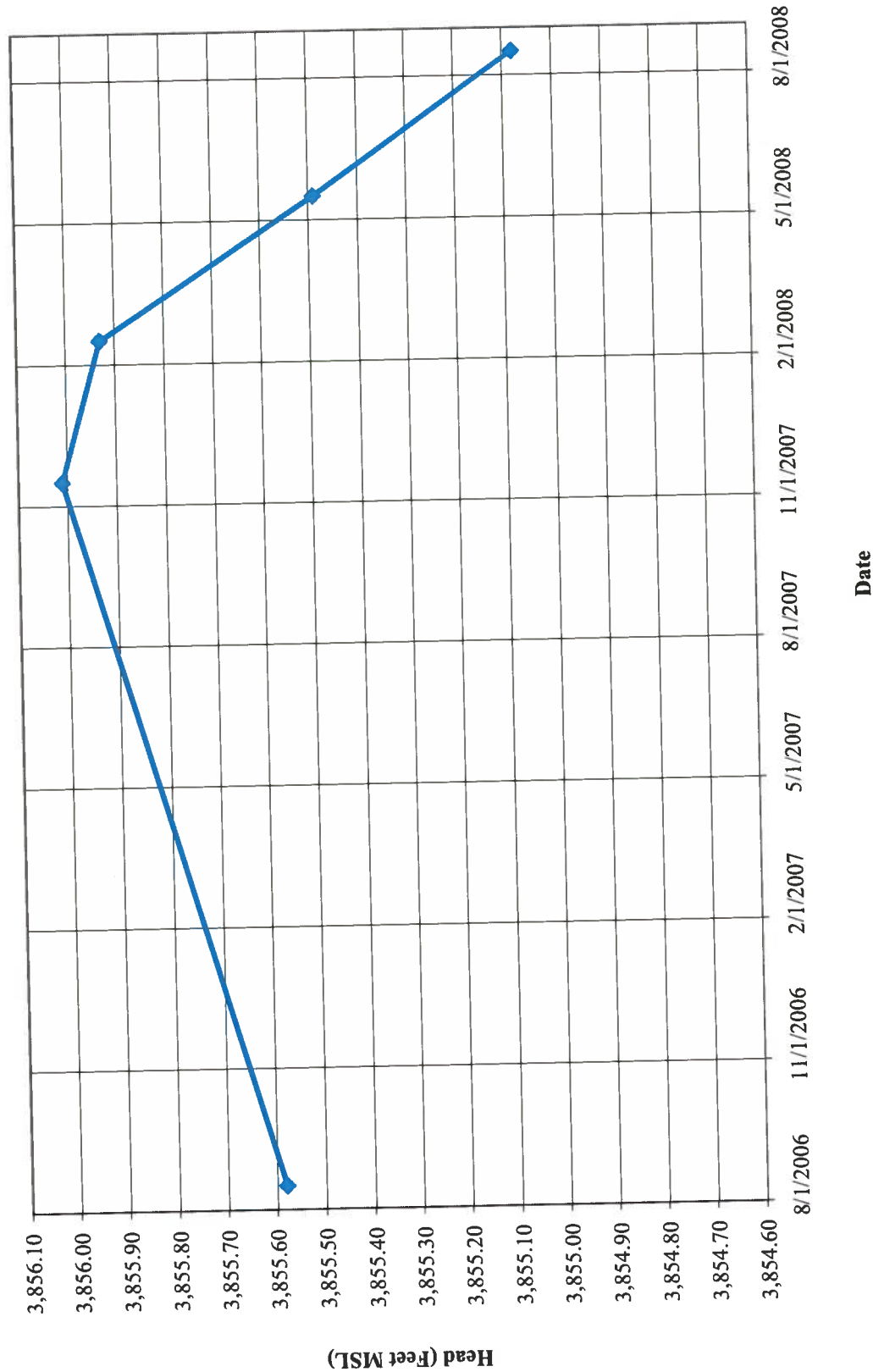
HYDROGRAPH FOR WELL W-13



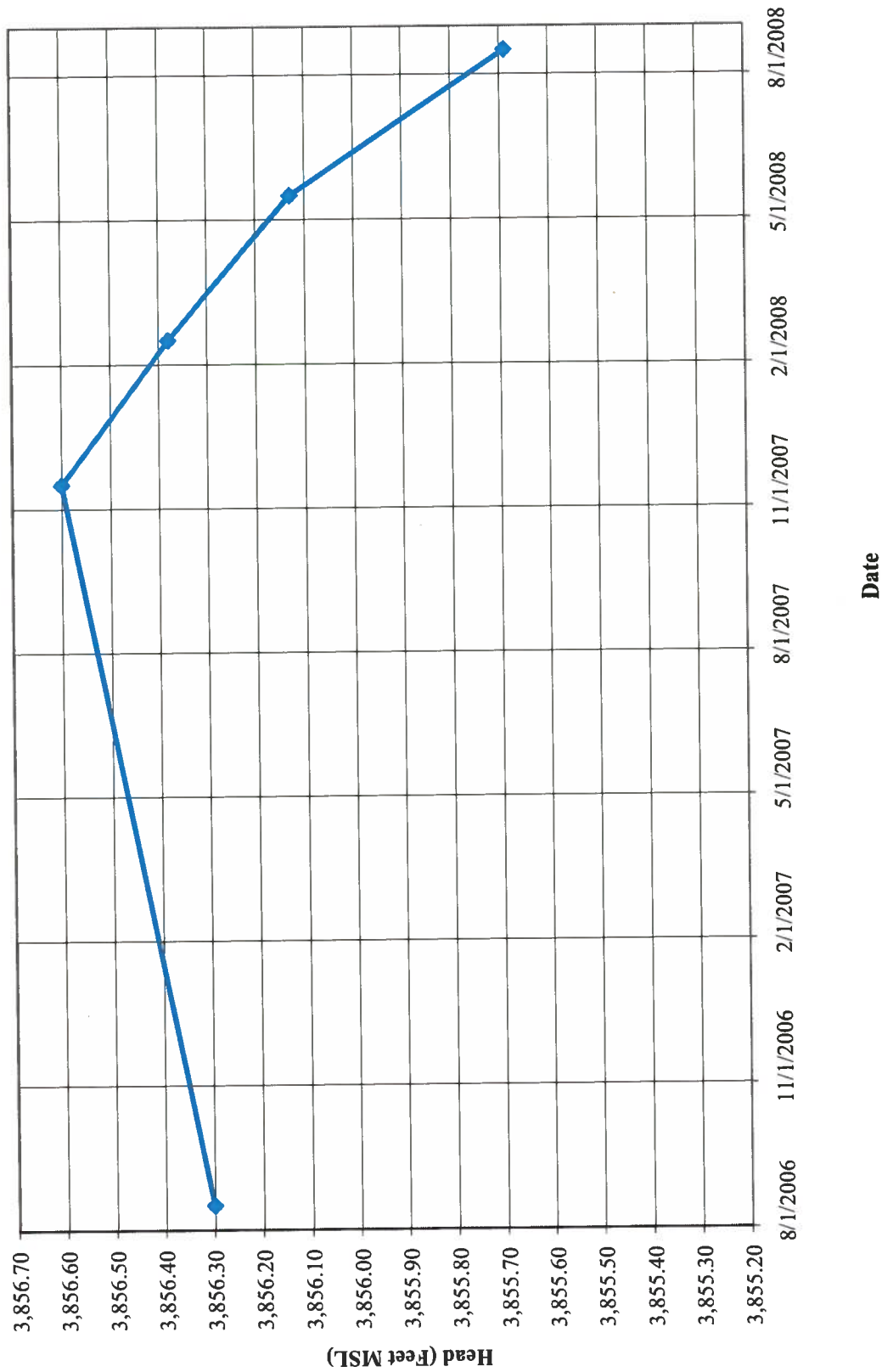
Date

Golder Associates

HYDROGRAPH FOR WELL W-14

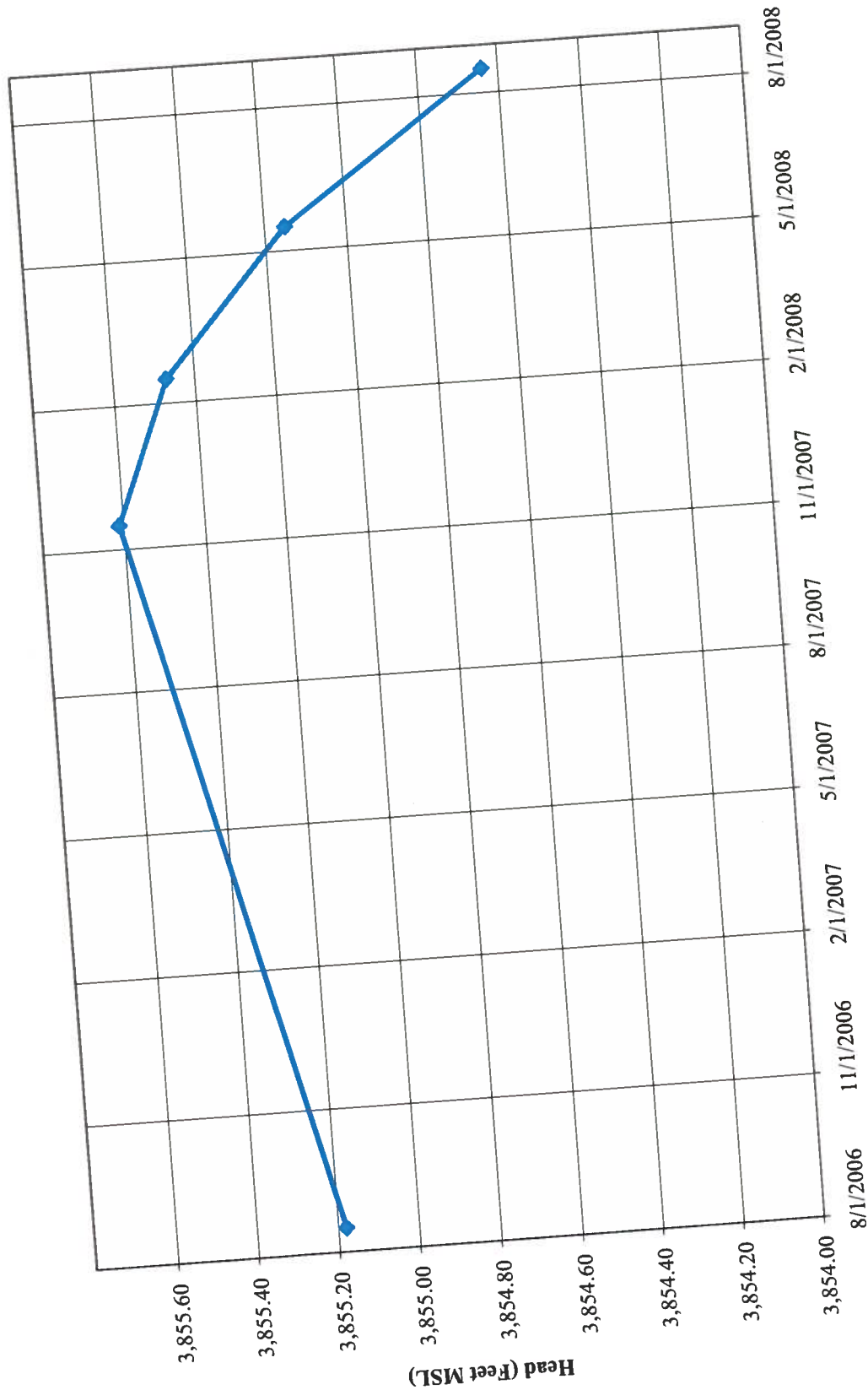


HYDROGRAPH FOR WELL W-15



August 2008

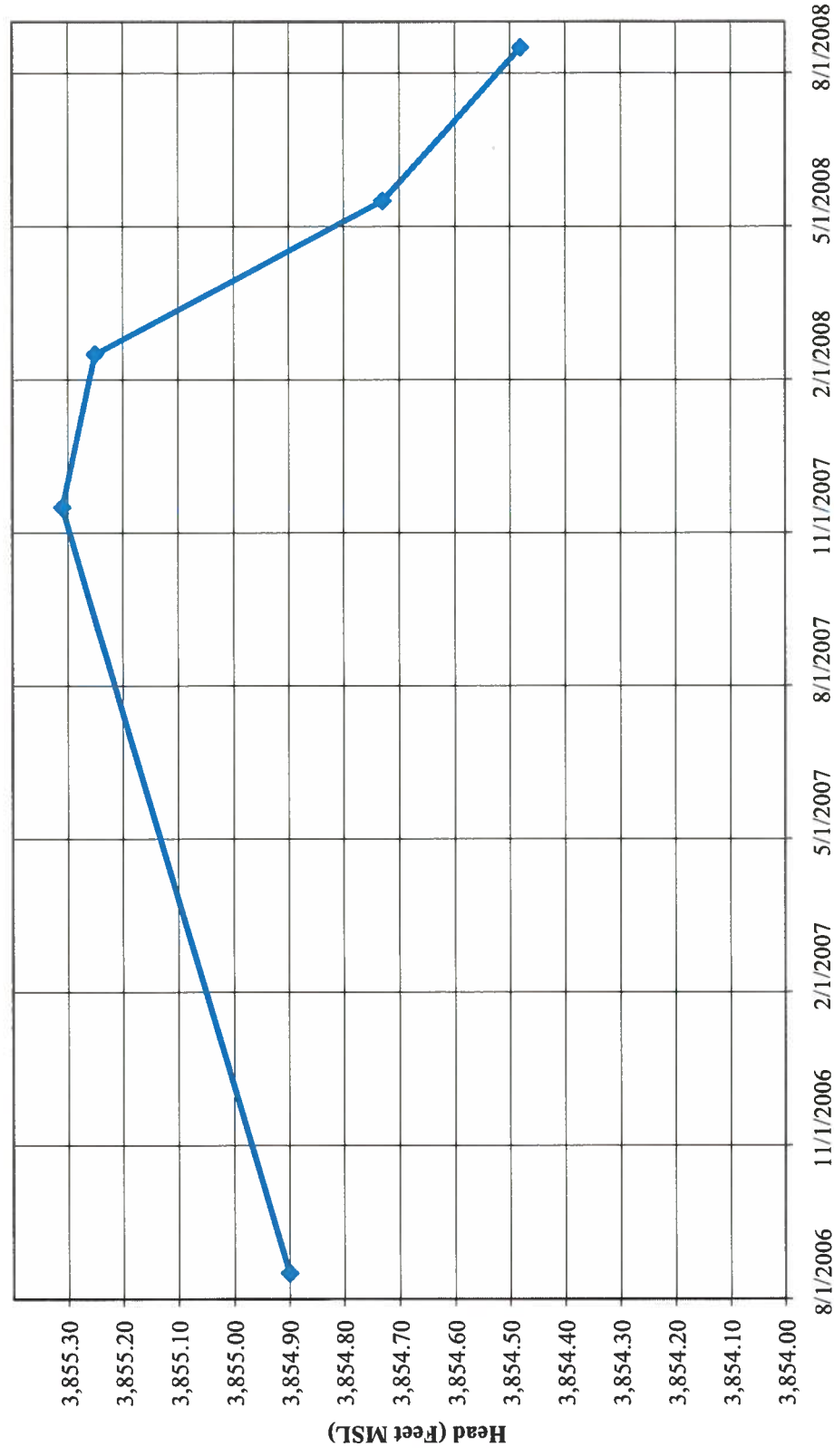
HYDROGRAPH FOR WELL W-16



Date

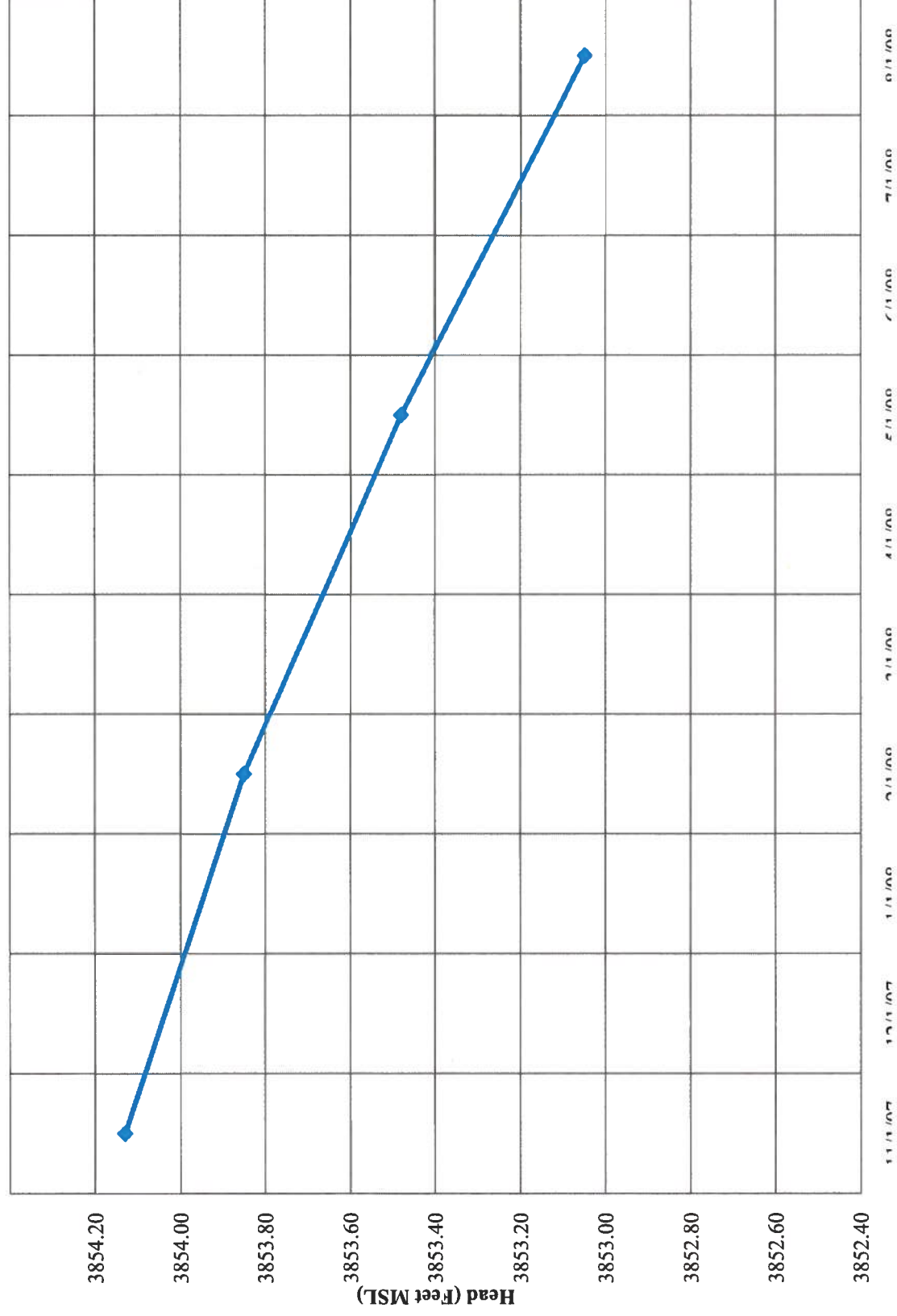
Golder Associates

HYDROGRAPH FOR WELL W-18

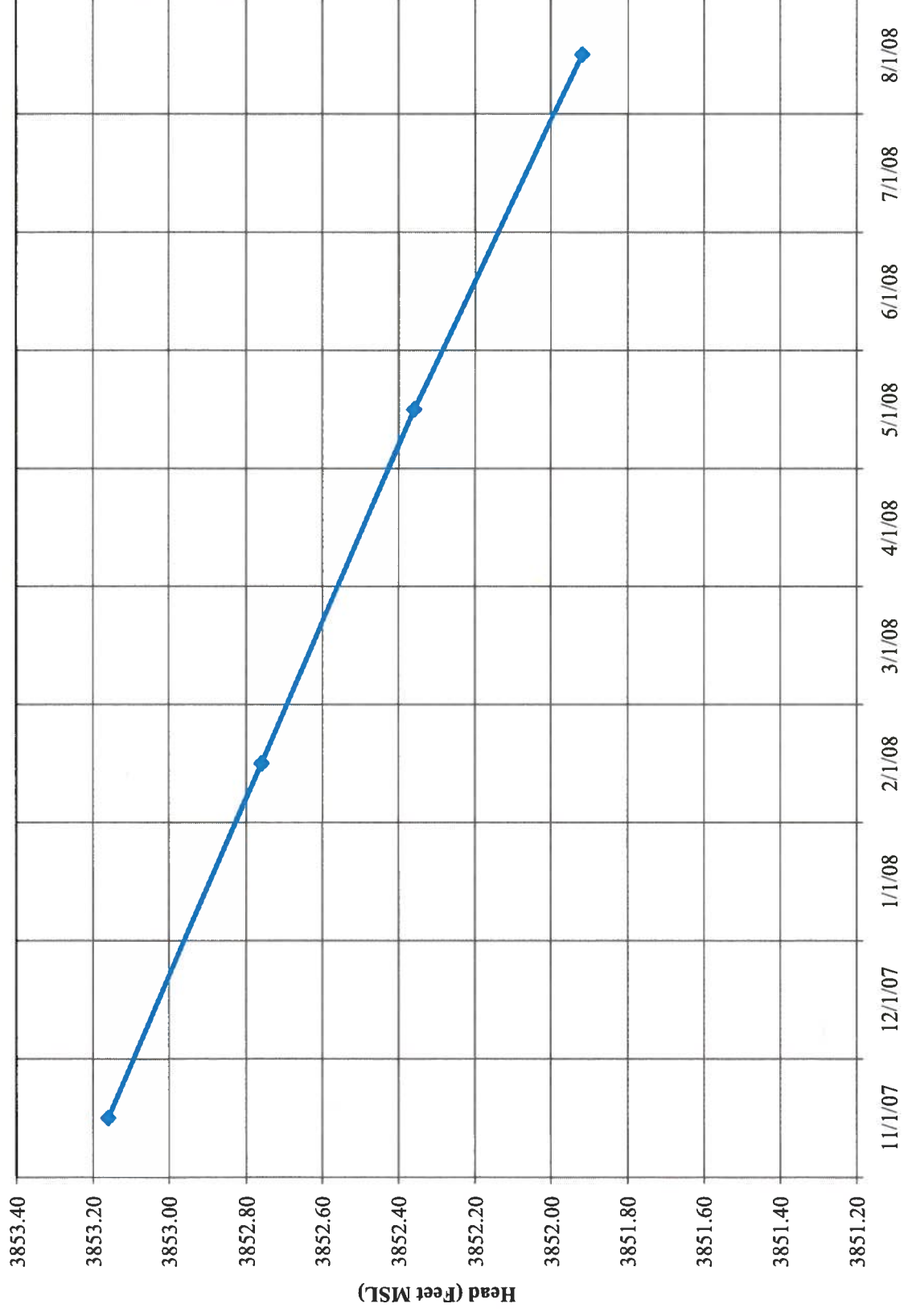


Date

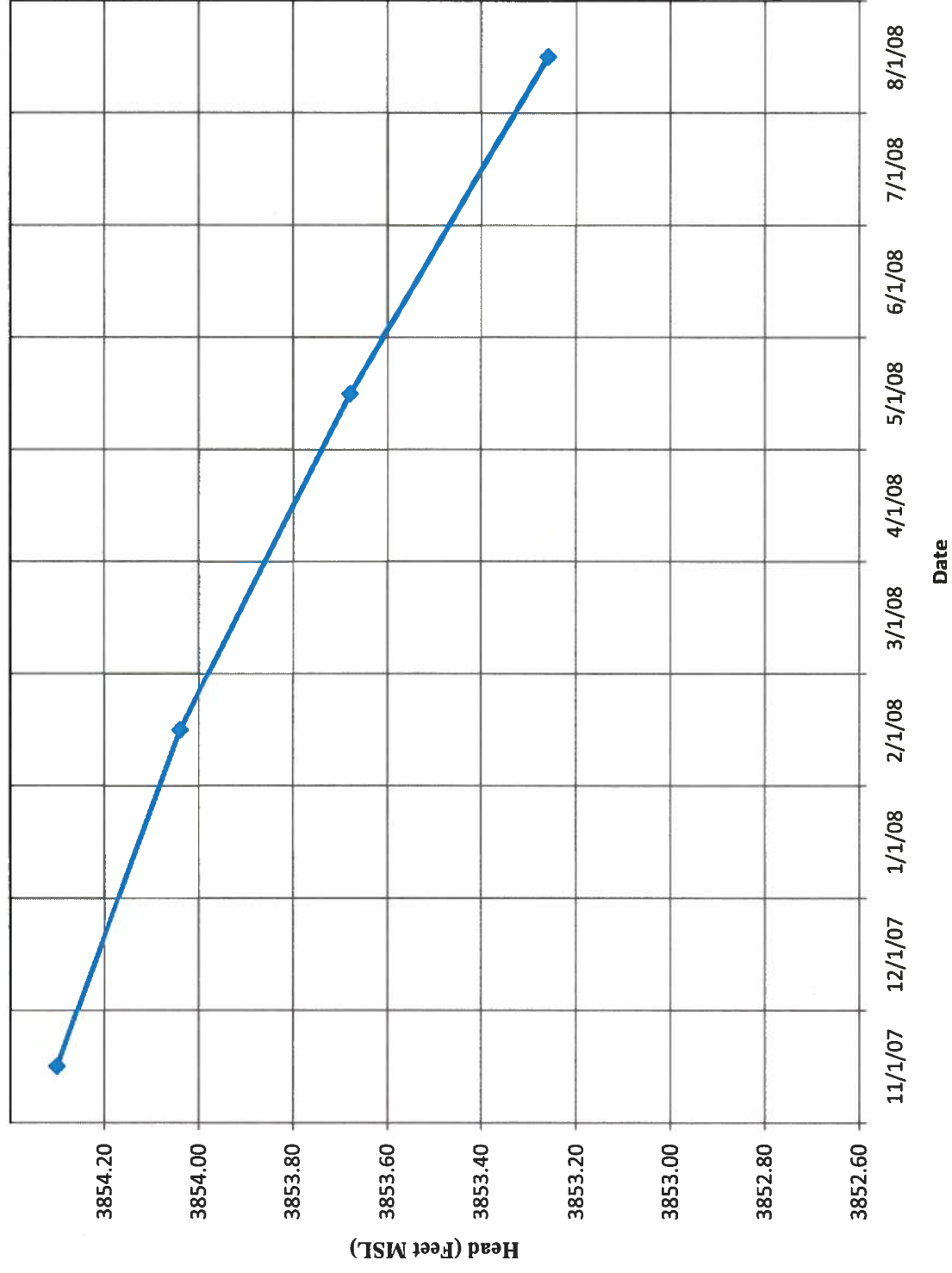
HYDROGRAPH FOR WELL W-19



HYDROGRAPH FOR WELL W-20



HYDROGRAPH FOR WELL W-21



APPENDIX B

FIELD FORMS



Golder Associates
4910 Alameda Blvd, NE Suite A
Albuquerque, NM 87113
Phone: (505) 821-3043; Fax: (505) 821-5273

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-5 Date gauged 8/17/08
Site W215m144 Time gauged 545
Depth to PSH 55.34 Feet Well diameter 2" Inches
Depth to water 55.34 Feet Height of fluid column 9.22 Feet
Total depth 64.63 Feet Volume in well 1.525 Gallons

(3 well volumes = 4.727 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>530</u>	<u>1.25</u>	<u>20.4</u>	<u>1730</u>	<u>6.69</u>		<u>0.32</u>
<u>600</u>	<u>2</u>	<u>19.2</u>	<u>1470</u>	<u>6.74</u>		
<u>610</u>	<u>5</u>	<u>19.5</u>	<u>1626</u>	<u>6.79</u>		

Actual purge volume 5 gal. Field measurements stabilized within ± 10%? X

Time/date sampled 610 8/17/08 Purged/sampled by [Signature]

Sample method DISPOSABLE BAPN

Requested analyses 9260

Comments/observations H2O GREY

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



Golder Associates
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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-7 Date gauged 6/9/08
Site WALSTAD GS Time gauged 1340
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 53.97 Feet Height of fluid column _____ Feet
Total depth 65.94 Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

Actual purge volume _____ gal.

Field measurements stabilized within ± 10%?

Time/date sampled _____

Purged/sampled by [Signature]

Sample method _____

Requested analyses _____

Comments/observations VAULT completely Full of H₂O

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

**Golder Associates**

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Albuquerque, NM 87113

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MONITOR WELL SAMPLING FIELD FORM**FLUID LEVEL DATA**

Well ID Ln-8 Date gauged 8/17/08
Site WALSCOTT Time gauged 8:00
Depth to PSH 870 Feet Well diameter 2" Inches
Depth to water 55.64 Feet Height of fluid column 9.43 Feet
Total depth 65.08 Feet Volume in well 1.6031 Gallons

(3 well volumes = 4.8093 gallons)**GROUNDWATER SAMPLING DATA**

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
410	125	21.2	952	6.80		.34
420	2	20.6	1024	6.75		
830	5	20.5	1035	6.72		

Actual purge volume 5 gal.Field measurements stabilized within ± 10%? YTime/date sampled 830 8/17/08Purged/sampled by [Signature]Sample method DESPONDING BARRELRequested analyses 3200Comments/observations HE 3 well BLACK H₂O**Well Casing Volumes**

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



Golder Associates

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Albuquerque, NM 87113

Phone: (505) 821-3043; Fax: (505) 821-5273

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-9 Date gauged 8/7/08
Site L015H/CS Time gauged 700
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 55.18 Feet Height of fluid column 9.42 Feet
Total depth 64.6 Feet Volume in well 1.604 Gallons
(3 well volumes = 4.804 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
705	25	19.7	942	6.73		2.22
715	3	20.0	1012	6.70		
725	5	20.0	1035	6.70		

Actual purge volume 5 gal. Field measurements stabilized within ± 10%? Y

Time/date sampled 725 8/7/08 Purged/sampled by [Signature]

Sample method DESPONDIC BARLW

Requested analyses 4200

Comments/observations HC ~~add~~ smell

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



Golder Associates

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Phone: (505) 821-3043; Fax: (505) 821-5273

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-11 Date gauged 8/14/08
Site Wall 5-166 Time gauged 1710
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 53.14 Feet Height of fluid column 9.24 Feet
Total depth 64.84 Feet Volume in well 1.6538 Gallons
(3 well volumes = 4.967 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1720	1.25	22.6	1360	6.52		1.84
1730	2	22.1	1355	6.59		
1740	5	21.8	1340	6.71		

Actual purge volume 5 gal. Field measurements stabilized within ± 10%? ✓

Time/date sampled 1740 8/14/08 Purged/sampled by [Signature]

Sample method DRSPOS BARCEL

Requested analyses 4200

Comments/observations MS. PRO RODEO ASKED ME WHAT PLANS
DOING

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-12 Date gauged 8/4/08
Site WASTED GC Time gauged 1330
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 54.5 Feet Height of fluid column _____ Feet
Total depth 64.5 Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

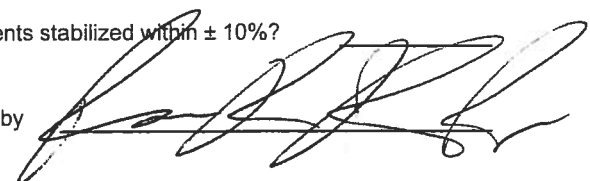
Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

Actual purge volume _____ gal.

Field measurements stabilized within ± 10%?

Time/date sampled _____

Purged/sampled by 

Sample method _____

Requested analyses _____

Comments/observations LIGHT GAS SMELL

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-13 Date gauged 4/4/08
Site WASHIRO 44 Time gauged 1400
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 54.5 Feet Height of fluid column _____ Feet
Total depth 65.0 Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

Actual purge volume _____ gal.

Field measurements stabilized within ± 10%? _____

Time/date sampled _____

Purged/sampled by [Signature]

Sample method _____

Requested analyses _____

Comments/observations

LAUT COMPLY FILL OF H₂O

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-14 Date gauged 8/17/08
Site W-157C DGE Time gauged _____
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 54.45 Feet Height of fluid column 9.8 Feet
Total depth 64.45 Feet Volume in well 1.6666 Gallons

(3 well volumes = 4.9998 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
450	25	21.8	1528	6.66		1.59
900	3	21.2	1452	6.70		
910	5	21.3	1357	6.69		

Actual purge volume 5 gal.

Field measurements stabilized within ± 10%? No

Time/date sampled 910 8/17/08

Purged/sampled by [Signature]

Sample method DISPOSABLE BOREHOLE

Requested analyses 4260

Comments/observations CAN'T TELL IF THERE IS AN HCS well
DUETO OPERATION PUMPS, Grey H₂O

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-15 Date gauged 8/4/08
Site Well 15 K5 Time gauged 1645
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 53.21 Feet Height of fluid column _____ Feet
Total depth 64.89 Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

Actual purge volume _____ gal.

Field measurements stabilized within ± 10%?

Time/date sampled _____

Purged/sampled by [Signature]

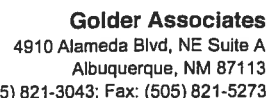
Sample method _____

Requested analyses _____

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-19 Date gauged 8/6/08
Site W-15+145 Time gauged 1410
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 54.9 Feet Height of fluid column _____ Feet
Total depth 64.25 Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

Actual purge volume _____ gal. Field measurements stabilized within ± 10%? _____

Time/date sampled _____ Purged/sampled by _____

Sample method _____

Requested analyses 1

Comments/observations ALL x Full of H₂O

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-19 Date gauged 8/16/08
Site W-15 and G-1 Time gauged 1405
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 55.31 Feet Height of fluid column 10.984 Feet
Total depth 45.15 Feet Volume in well 1.672 Gallons

(3 well volumes = 5.01 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 1610 18/108 Purge Method 1-1 AND BAZWIZ

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>1615</u>	<u>2.5</u>	<u>25.</u>	<u>760</u>	<u>6.69</u>		<u>8.74</u>
<u>1620</u>	<u>2</u>	<u>21.8</u>	<u>782</u>	<u>6.78</u>		
<u>1630</u>	<u>5</u>	<u>21.9</u>	<u>843</u>	<u>6.67</u>		

Actual purge volume 5 gal.

Field measurements stabilized within ± 10%? X

Time/date sampled 8/16/08 1435 Purged/sampled by [Signature]

Sample method RESPONSIVE BORE

Requested analyses SR60

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID U-20 Date gauged 8/4/08
Site WALL ST/CL Time gauged 1415
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 55.53 Feet Height of fluid column 9.42 Feet
Total depth 65.00 Feet Volume in well 1.609 Gallons

(3 well volumes = 4.82 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 1420 Purge Method RAMP BARCEL

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>1425</u>	<u>.25</u>	<u>22.5</u>	<u>625</u>	<u>6.92</u>		<u>7.21</u>
<u>1440</u>	<u>2</u>	<u>20.2</u>	<u>626</u>	<u>6.80</u>		
<u>1450</u>	<u>5</u>	<u>20.2</u>	<u>635</u>	<u>7.00</u>		

Actual purge volume 5 gal.

Field measurements stabilized within ± 10%? Y

Time/date sampled 1450

Purged/sampled by for KLR

Sample method DESIGNABLE BARCEL

Requested analyses 8260

Comments/observations DO meter Act 2WS Funnymatics
Long time to zero

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID W-21 Date gauged 8/6/08
Site W-15-1-44 Time gauged 1530
Depth to PSH _____ Feet Well diameter 2" Inches
Depth to water 55.23 Feet Height of fluid column 4.57 Feet
Total depth 44.40 Feet Volume in well 1.42 Gallons

(3 well volumes = 4.2607 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>1530</u>	<u>2.5</u>	<u>23.7</u>	<u>11.23</u>	<u>6.73</u>		<u>2.29</u>
<u>1540</u>	<u>2</u>	<u>20.5</u>	<u>12.18</u>	<u>6.70</u>		
<u>1550</u>	<u>5</u>	<u>20.2</u>	<u>1230</u>	<u>6.66</u>		

Actual purge volume 5 gal. Field measurements stabilized within 10%? X

Time/date sampled 1550 8/6/08 Purged/sampled by [Signature]

Sample method DCSP04 ABCL DARC

Requested analyses 4260

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

APPENDIX C

ANALYTICAL LABORATORY REPORTS



COVER LETTER

Thursday, August 14, 2008

Teri McMillan
Golder Associates
5200 Pasadena, NE Suite C
Albuquerque, NM 87113

TEL: (505) 821-3043

FAX (505) 821-5273

RE: Walsted 66

Dear Teri McMillan:

Order No.: 0808124

Hall Environmental Analysis Laboratory, Inc. received 10 sample(s) on 8/7/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001



Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates**Project:** Walsted 66**Lab Order:** 0808124**CASE NARRATIVE**

Dichlorodifluoromethane and Bromomethane were low in the continuing standard according to the Hall SOP. Both compounds were still within the method acceptable limits.

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-01

Client Sample ID: W-20
Collection Date: 8/6/2008 2:50:00 PM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Toluene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Ethylbenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Naphthalene	ND	2.0		µg/L	1	8/9/2008 11:21:08 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 11:21:08 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 11:21:08 AM
Acetone	ND	10		µg/L	1	8/9/2008 11:21:08 AM
Bromobenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Bromoform	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Bromomethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
2-Butanone	ND	10		µg/L	1	8/9/2008 11:21:08 AM
Carbon disulfide	ND	10		µg/L	1	8/9/2008 11:21:08 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Chlorobenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Chloroethane	ND	2.0		µg/L	1	8/9/2008 11:21:08 AM
Chloroform	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Chloromethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/9/2008 11:21:08 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Dibromomethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/9/2008 11:21:08 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
2-Hexanone	ND	10		µg/L	1	8/9/2008 11:21:08 AM

Qualifiers:
 * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
 Lab Order: 0808124
 Project: Walsted 66
 Lab ID: 0808124-01

Client Sample ID: W-20
 Collection Date: 8/6/2008 2:50:00 PM
 Date Received: 8/7/2008
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/9/2008 11:21:08 AM
Methylene Chloride	ND	3.0		µg/L	1	8/9/2008 11:21:08 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Styrene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/9/2008 11:21:08 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/9/2008 11:21:08 AM
Vinyl chloride	ND	1.0		µg/L	1	8/9/2008 11:21:08 AM
Xylenes, Total	ND	1.5		µg/L	1	8/9/2008 11:21:08 AM
Surr: 1,2-Dichloroethane-d4	95.9	68.1-123		%REC	1	8/9/2008 11:21:08 AM
Surr: 4-Bromofluorobenzene	99.2	53.2-145		%REC	1	8/9/2008 11:21:08 AM
Surr: Dibromofluoromethane	99.1	68.5-119		%REC	1	8/9/2008 11:21:08 AM
Surr: Toluene-d8	96.6	64-131		%REC	1	8/9/2008 11:21:08 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-02

Client Sample ID: W-21
Collection Date: 8/6/2008 3:50:00 PM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Toluene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Ethylbenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Naphthalene	ND	2.0		µg/L	1	8/9/2008 12:47:29 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 12:47:29 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 12:47:29 PM
Acetone	ND	10		µg/L	1	8/9/2008 12:47:29 PM
Bromobenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Bromoform	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Bromomethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
2-Butanone	ND	10		µg/L	1	8/9/2008 12:47:29 PM
Carbon disulfide	ND	10		µg/L	1	8/9/2008 12:47:29 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Chlorobenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Chloroethane	ND	2.0		µg/L	1	8/9/2008 12:47:29 PM
Chloroform	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Chloromethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/9/2008 12:47:29 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Dibromomethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/9/2008 12:47:29 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
2-Hexanone	ND	10		µg/L	1	8/9/2008 12:47:29 PM

Qualifiers:
 * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-02

Client Sample ID: W-21
Collection Date: 8/6/2008 3:50:00 PM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/9/2008 12:47:29 PM
Methylene Chloride	ND	3.0		µg/L	1	8/9/2008 12:47:29 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Styrene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/9/2008 12:47:29 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/9/2008 12:47:29 PM
Vinyl chloride	ND	1.0		µg/L	1	8/9/2008 12:47:29 PM
Xylenes, Total	ND	1.5		µg/L	1	8/9/2008 12:47:29 PM
Surr: 1,2-Dichloroethane-d4	94.2	68.1-123		%REC	1	8/9/2008 12:47:29 PM
Surr: 4-Bromofluorobenzene	108	53.2-145		%REC	1	8/9/2008 12:47:29 PM
Surr: Dibromofluoromethane	97.4	68.5-119		%REC	1	8/9/2008 12:47:29 PM
Surr: Toluene-d8	96.0	64-131		%REC	1	8/9/2008 12:47:29 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-03

Client Sample ID: W-19
Collection Date: 8/6/2008 4:35:00 PM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	2.4	1.0		µg/L	1	8/9/2008 1:16:25 PM
Toluene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Ethylbenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2-Dichloroethane (EDC)	19	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Naphthalene	ND	2.0		µg/L	1	8/9/2008 1:16:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 1:16:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 1:16:25 PM
Acetone	ND	10		µg/L	1	8/9/2008 1:16:25 PM
Bromobenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Bromoform	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Bromomethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
2-Butanone	ND	10		µg/L	1	8/9/2008 1:16:25 PM
Carbon disulfide	ND	10		µg/L	1	8/9/2008 1:16:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Chlorobenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Chloroethane	ND	2.0		µg/L	1	8/9/2008 1:16:25 PM
Chloroform	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Chloromethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/9/2008 1:16:25 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Dibromomethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2-Dichloropropane	1.9	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/9/2008 1:16:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
2-Hexanone	ND	10		µg/L	1	8/9/2008 1:16:25 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-03

Client Sample ID: W-19
Collection Date: 8/6/2008 4:35:00 PM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	2.1	1.0		µg/L	1	8/9/2008 1:16:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/9/2008 1:16:25 PM
Methylene Chloride	ND	3.0		µg/L	1	8/9/2008 1:16:25 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Styrene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/9/2008 1:16:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/9/2008 1:16:25 PM
Vinyl chloride	ND	1.0		µg/L	1	8/9/2008 1:16:25 PM
Xylenes, Total	ND	1.5		µg/L	1	8/9/2008 1:16:25 PM
Surr: 1,2-Dichloroethane-d4	93.1	68.1-123		%REC	1	8/9/2008 1:16:25 PM
Surr: 4-Bromofluorobenzene	99.6	53.2-145		%REC	1	8/9/2008 1:16:25 PM
Surr: Dibromofluoromethane	100	68.5-119		%REC	1	8/9/2008 1:16:25 PM
Surr: Toluene-d8	98.3	64-131		%REC	1	8/9/2008 1:16:25 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-04

Client Sample ID: W-11
Collection Date: 8/6/2008 5:40:00 PM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	3.2	1.0		µg/L	1	8/9/2008 2:15:48 PM
Toluene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Ethylbenzene	28	1.0		µg/L	1	8/9/2008 2:15:48 PM
Methyl tert-butyl ether (MTBE)	610	5.0		µg/L	5	8/9/2008 1:46:51 PM
1,2,4-Trimethylbenzene	3.1	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,3,5-Trimethylbenzene	4.8	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,2-Dichloroethane (EDC)	38	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Naphthalene	ND	2.0		µg/L	1	8/9/2008 2:15:48 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 2:15:48 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 2:15:48 PM
Acetone	ND	10		µg/L	1	8/9/2008 2:15:48 PM
Bromobenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Bromoform	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Bromomethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
2-Butanone	ND	10		µg/L	1	8/9/2008 2:15:48 PM
Carbon disulfide	ND	10		µg/L	1	8/9/2008 2:15:48 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Chlorobenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Chloroethane	ND	2.0		µg/L	1	8/9/2008 2:15:48 PM
Chloroform	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Chloromethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/9/2008 2:15:48 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Dibromomethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/9/2008 2:15:48 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
2-Hexanone	ND	10		µg/L	1	8/9/2008 2:15:48 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
 Lab Order: 0808124
 Project: Walsted 66
 Lab ID: 0808124-04

Client Sample ID: W-11
 Collection Date: 8/6/2008 5:40:00 PM
 Date Received: 8/7/2008
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	4.1	1.0		µg/L	1	8/9/2008 2:15:48 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/9/2008 2:15:48 PM
Methylene Chloride	ND	3.0		µg/L	1	8/9/2008 2:15:48 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
n-Propylbenzene	5.6	1.0		µg/L	1	8/9/2008 2:15:48 PM
sec-Butylbenzene	2.4	1.0		µg/L	1	8/9/2008 2:15:48 PM
Styrene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/9/2008 2:15:48 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/9/2008 2:15:48 PM
Vinyl chloride	ND	1.0		µg/L	1	8/9/2008 2:15:48 PM
Xylenes, Total	2.5	1.5		µg/L	1	8/9/2008 2:15:48 PM
Surr: 1,2-Dichloroethane-d4	90.8	68.1-123		%REC	1	8/9/2008 2:15:48 PM
Surr: 4-Bromofluorobenzene	99.0	53.2-145		%REC	1	8/9/2008 2:15:48 PM
Surr: Dibromofluoromethane	97.4	68.5-119		%REC	1	8/9/2008 2:15:48 PM
Surr: Toluene-d8	95.3	64-131		%REC	1	8/9/2008 2:15:48 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-05

Client Sample ID: W-5
Collection Date: 8/7/2008 6:10:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	5.2	1.0		µg/L	1	8/9/2008 3:13:37 PM
Toluene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Ethylbenzene	3.7	1.0		µg/L	1	8/9/2008 3:13:37 PM
Methyl tert-butyl ether (MTBE)	39	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Naphthalene	ND	2.0		µg/L	1	8/9/2008 3:13:37 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 3:13:37 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 3:13:37 PM
Acetone	ND	10		µg/L	1	8/9/2008 3:13:37 PM
Bromobenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Bromoform	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Bromomethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
2-Butanone	ND	10		µg/L	1	8/9/2008 3:13:37 PM
Carbon disulfide	ND	10		µg/L	1	8/9/2008 3:13:37 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Chlorobenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Chloroethane	ND	2.0		µg/L	1	8/9/2008 3:13:37 PM
Chloroform	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Chloromethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/9/2008 3:13:37 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Dibromomethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/9/2008 3:13:37 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
2-Hexanone	ND	10		µg/L	1	8/9/2008 3:13:37 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-05

Client Sample ID: W-5
Collection Date: 8/7/2008 6:10:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/9/2008 3:13:37 PM
Methylene Chloride	ND	3.0		µg/L	1	8/9/2008 3:13:37 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Styrene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/9/2008 3:13:37 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/9/2008 3:13:37 PM
Vinyl chloride	ND	1.0		µg/L	1	8/9/2008 3:13:37 PM
Xylenes, Total	ND	1.5		µg/L	1	8/9/2008 3:13:37 PM
Surr: 1,2-Dichloroethane-d4	95.6	68.1-123		%REC	1	8/9/2008 3:13:37 PM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	1	8/9/2008 3:13:37 PM
Surr: Dibromofluoromethane	99.3	68.5-119		%REC	1	8/9/2008 3:13:37 PM
Surr: Toluene-d8	95.3	64-131		%REC	1	8/9/2008 3:13:37 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-06

Client Sample ID: W-16
Collection Date: 8/7/2008 6:50:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	790	10		µg/L	10	8/9/2008 3:43:54 PM
Toluene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Ethylbenzene	5.4	1.0		µg/L	1	8/9/2008 4:12:50 PM
Methyl tert-butyl ether (MTBE)	59	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2,4-Trimethylbenzene	15	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,3,5-Trimethylbenzene	39	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2-Dichloroethane (EDC)	17	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Naphthalene	69	2.0		µg/L	1	8/9/2008 4:12:50 PM
1-Methylnaphthalene	83	4.0		µg/L	1	8/9/2008 4:12:50 PM
2-Methylnaphthalene	200	40		µg/L	10	8/9/2008 3:43:54 PM
Acetone	ND	10		µg/L	1	8/9/2008 4:12:50 PM
Bromobenzene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Bromoform	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Bromomethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
2-Butanone	ND	10		µg/L	1	8/9/2008 4:12:50 PM
Carbon disulfide	ND	10		µg/L	1	8/9/2008 4:12:50 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Chlorobenzene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Chloroethane	ND	2.0		µg/L	1	8/9/2008 4:12:50 PM
Chloroform	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Chloromethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/9/2008 4:12:50 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Dibromomethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/9/2008 4:12:50 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
2-Hexanone	ND	10		µg/L	1	8/9/2008 4:12:50 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-06

Client Sample ID: W-16
Collection Date: 8/7/2008 6:50:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	13	1.0		µg/L	1	8/9/2008 4:12:50 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/9/2008 4:12:50 PM
Methylene Chloride	ND	3.0		µg/L	1	8/9/2008 4:12:50 PM
n-Butylbenzene	13	1.0		µg/L	1	8/9/2008 4:12:50 PM
n-Propylbenzene	12	1.0		µg/L	1	8/9/2008 4:12:50 PM
sec-Butylbenzene	4.0	1.0		µg/L	1	8/9/2008 4:12:50 PM
Styrene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/9/2008 4:12:50 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/9/2008 4:12:50 PM
Vinyl chloride	ND	1.0		µg/L	1	8/9/2008 4:12:50 PM
Xylenes, Total	ND	1.5		µg/L	1	8/9/2008 4:12:50 PM
Surr: 1,2-Dichloroethane-d4	97.9	68.1-123		%REC	1	8/9/2008 4:12:50 PM
Surr: 4-Bromofluorobenzene	93.7	53.2-145		%REC	1	8/9/2008 4:12:50 PM
Surr: Dibromofluoromethane	102	68.5-119		%REC	1	8/9/2008 4:12:50 PM
Surr: Toluene-d8	93.3	64-131		%REC	1	8/9/2008 4:12:50 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-07

Client Sample ID: W-9
Collection Date: 8/7/2008 7:25:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	5100	100		µg/L	100	8/9/2008 5:12:05 PM
Toluene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Ethylbenzene	830	100		µg/L	100	8/9/2008 5:12:05 PM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,2,4-Trimethylbenzene	390	100		µg/L	100	8/9/2008 5:12:05 PM
1,3,5-Trimethylbenzene	100	100		µg/L	100	8/9/2008 5:12:05 PM
1,2-Dichloroethane (EDC)	520	100		µg/L	100	8/9/2008 5:12:05 PM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Naphthalene	ND	200		µg/L	100	8/9/2008 5:12:05 PM
1-Methylnaphthalene	ND	400		µg/L	100	8/9/2008 5:12:05 PM
2-Methylnaphthalene	ND	400		µg/L	100	8/9/2008 5:12:05 PM
Acetone	ND	1000		µg/L	100	8/9/2008 5:12:05 PM
Bromobenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Bromodichloromethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Bromoform	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Bromomethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
2-Butanone	ND	1000		µg/L	100	8/9/2008 5:12:05 PM
Carbon disulfide	ND	1000		µg/L	100	8/9/2008 5:12:05 PM
Carbon Tetrachloride	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Chlorobenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Chloroethane	ND	200		µg/L	100	8/9/2008 5:12:05 PM
Chloroform	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Chloromethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
2-Chlorotoluene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
4-Chlorotoluene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
cis-1,2-DCE	ND	100		µg/L	100	8/9/2008 5:12:05 PM
cis-1,3-Dichloropropene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	8/9/2008 5:12:05 PM
Dibromochloromethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Dibromomethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,2-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,3-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,4-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Dichlorodifluoromethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,1-Dichloroethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,1-Dichloroethene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,2-Dichloropropane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,3-Dichloropropane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
2,2-Dichloropropane	ND	200		µg/L	100	8/9/2008 5:12:05 PM
1,1-Dichloropropene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Hexachlorobutadiene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
2-Hexanone	ND	1000		µg/L	100	8/9/2008 5:12:05 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
 Lab Order: 0808124
 Project: Walsted 66
 Lab ID: 0808124-07

Client Sample ID: W-9
 Collection Date: 8/7/2008 7:25:00 AM
 Date Received: 8/7/2008
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
4-Isopropyltoluene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
4-Methyl-2-pentanone	ND	1000		µg/L	100	8/9/2008 5:12:05 PM
Methylene Chloride	ND	300		µg/L	100	8/9/2008 5:12:05 PM
n-Butylbenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
n-Propylbenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
sec-Butylbenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Styrene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
tert-Butylbenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	8/9/2008 5:12:05 PM
Tetrachloroethene (PCE)	ND	100		µg/L	100	8/9/2008 5:12:05 PM
trans-1,2-DCE	ND	100		µg/L	100	8/9/2008 5:12:05 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,1,1-Trichloroethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,1,2-Trichloroethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Trichloroethene (TCE)	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Trichlorofluoromethane	ND	100		µg/L	100	8/9/2008 5:12:05 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	8/9/2008 5:12:05 PM
Vinyl chloride	ND	100		µg/L	100	8/9/2008 5:12:05 PM
Xylenes, Total	300	150		µg/L	100	8/9/2008 5:12:05 PM
Surr: 1,2-Dichloroethane-d4	95.8	68.1-123		%REC	100	8/9/2008 5:12:05 PM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	100	8/9/2008 5:12:05 PM
Surr: Dibromofluoromethane	100	68.5-119		%REC	100	8/9/2008 5:12:05 PM
Surr: Toluene-d8	95.4	64-131		%REC	100	8/9/2008 5:12:05 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-08

Client Sample ID: W-8
Collection Date: 8/7/2008 8:30:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	20000	400		µg/L	400	8/11/2008 11:52:05 PM
Toluene	24000	400		µg/L	400	8/11/2008 11:52:05 PM
Ethylbenzene	2400	100		µg/L	100	8/9/2008 5:42:28 PM
Methyl tert-butyl ether (MTBE)	8600	100		µg/L	100	8/9/2008 5:42:28 PM
1,2,4-Trimethylbenzene	2200	100		µg/L	100	8/9/2008 5:42:28 PM
1,3,5-Trimethylbenzene	600	100		µg/L	100	8/9/2008 5:42:28 PM
1,2-Dichloroethane (EDC)	2900	100		µg/L	100	8/9/2008 5:42:28 PM
1,2-Dibromoethane (EDB)	270	100		µg/L	100	8/9/2008 5:42:28 PM
Naphthalene	670	200		µg/L	100	8/9/2008 5:42:28 PM
1-Methylnaphthalene	ND	400		µg/L	100	8/9/2008 5:42:28 PM
2-Methylnaphthalene	ND	400		µg/L	100	8/9/2008 5:42:28 PM
Acetone	ND	1000		µg/L	100	8/9/2008 5:42:28 PM
Bromobenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Bromodichloromethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Bromoform	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Bromomethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
2-Butanone	ND	1000		µg/L	100	8/9/2008 5:42:28 PM
Carbon disulfide	ND	1000		µg/L	100	8/9/2008 5:42:28 PM
Carbon Tetrachloride	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Chlorobenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Chloroethane	ND	200		µg/L	100	8/9/2008 5:42:28 PM
Chloroform	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Chloromethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
2-Chlorotoluene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
4-Chlorotoluene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
cis-1,2-DCE	ND	100		µg/L	100	8/9/2008 5:42:28 PM
cis-1,3-Dichloropropene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	8/9/2008 5:42:28 PM
Dibromochloromethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Dibromomethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,2-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,3-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,4-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Dichlorodifluoromethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,1-Dichloroethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,1-Dichloroethene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,2-Dichloropropane	110	100		µg/L	100	8/9/2008 5:42:28 PM
1,3-Dichloropropane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
2,2-Dichloropropane	ND	200		µg/L	100	8/9/2008 5:42:28 PM
1,1-Dichloropropene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Hexachlorobutadiene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
2-Hexanone	ND	1000		µg/L	100	8/9/2008 5:42:28 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-08

Client Sample ID: W-8
Collection Date: 8/7/2008 8:30:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
4-Isopropyltoluene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
4-Methyl-2-pentanone	ND	1000		µg/L	100	8/9/2008 5:42:28 PM
Methylene Chloride	ND	300		µg/L	100	8/9/2008 5:42:28 PM
n-Butylbenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
n-Propylbenzene	180	100		µg/L	100	8/9/2008 5:42:28 PM
sec-Butylbenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Styrene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
tert-Butylbenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	8/9/2008 5:42:28 PM
Tetrachloroethene (PCE)	ND	100		µg/L	100	8/9/2008 5:42:28 PM
trans-1,2-DCE	ND	100		µg/L	100	8/9/2008 5:42:28 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,1,1-Trichloroethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,1,2-Trichloroethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Trichloroethene (TCE)	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Trichlorofluoromethane	ND	100		µg/L	100	8/9/2008 5:42:28 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	8/9/2008 5:42:28 PM
Vinyl chloride	ND	100		µg/L	100	8/9/2008 5:42:28 PM
Xylenes, Total	11000	150		µg/L	100	8/9/2008 5:42:28 PM
Surr: 1,2-Dichloroethane-d4	92.6	68.1-123		%REC	100	8/9/2008 5:42:28 PM
Surr: 4-Bromofluorobenzene	93.5	53.2-145		%REC	100	8/9/2008 5:42:28 PM
Surr: Dibromofluoromethane	101	68.5-119		%REC	100	8/9/2008 5:42:28 PM
Surr: Toluene-d8	97.1	64-131		%REC	100	8/9/2008 5:42:28 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-09

Client Sample ID: W-14
Collection Date: 8/7/2008 9:10:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	26000	400		µg/L	400	8/12/2008 12:21:02 AM
Toluene	20000	400		µg/L	400	8/12/2008 12:21:02 AM
Ethylbenzene	4400	100		µg/L	100	8/9/2008 6:13:02 PM
Methyl tert-butyl ether (MTBE)	3700	100		µg/L	100	8/9/2008 6:13:02 PM
1,2,4-Trimethylbenzene	1800	100		µg/L	100	8/9/2008 6:13:02 PM
1,3,5-Trimethylbenzene	490	100		µg/L	100	8/9/2008 6:13:02 PM
1,2-Dichloroethane (EDC)	160	100		µg/L	100	8/9/2008 6:13:02 PM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Naphthalene	840	200		µg/L	100	8/9/2008 6:13:02 PM
1-Methylnaphthalene	ND	400		µg/L	100	8/9/2008 6:13:02 PM
2-Methylnaphthalene	ND	400		µg/L	100	8/9/2008 6:13:02 PM
Acetone	ND	1000		µg/L	100	8/9/2008 6:13:02 PM
Bromobenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Bromodichloromethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Bromoform	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Bromomethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
2-Butanone	ND	1000		µg/L	100	8/9/2008 6:13:02 PM
Carbon disulfide	ND	1000		µg/L	100	8/9/2008 6:13:02 PM
Carbon Tetrachloride	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Chlorobenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Chloroethane	ND	200		µg/L	100	8/9/2008 6:13:02 PM
Chloroform	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Chloromethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
2-Chlorotoluene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
4-Chlorotoluene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
cis-1,2-DCE	ND	100		µg/L	100	8/9/2008 6:13:02 PM
cis-1,3-Dichloropropene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	8/9/2008 6:13:02 PM
Dibromochloromethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Dibromomethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,2-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,3-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,4-Dichlorobenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Dichlorodifluoromethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,1-Dichloroethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,1-Dichloroethene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,2-Dichloropropane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,3-Dichloropropane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
2,2-Dichloropropane	ND	200		µg/L	100	8/9/2008 6:13:02 PM
1,1-Dichloropropene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Hexachlorobutadiene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
2-Hexanone	ND	1000		µg/L	100	8/9/2008 6:13:02 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-09

Client Sample ID: W-14
Collection Date: 8/7/2008 9:10:00 AM
Date Received: 8/7/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	110	100		µg/L	100	8/9/2008 6:13:02 PM
4-Isopropyltoluene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
4-Methyl-2-pentanone	ND	1000		µg/L	100	8/9/2008 6:13:02 PM
Methylene Chloride	ND	300		µg/L	100	8/9/2008 6:13:02 PM
n-Butylbenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
n-Propylbenzene	280	100		µg/L	100	8/9/2008 6:13:02 PM
sec-Butylbenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Styrene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
tert-Butylbenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	8/9/2008 6:13:02 PM
Tetrachloroethene (PCE)	ND	100		µg/L	100	8/9/2008 6:13:02 PM
trans-1,2-DCE	ND	100		µg/L	100	8/9/2008 6:13:02 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,1,1-Trichloroethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,1,2-Trichloroethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Trichloroethene (TCE)	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Trichlorofluoromethane	ND	100		µg/L	100	8/9/2008 6:13:02 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	8/9/2008 6:13:02 PM
Vinyl chloride	ND	100		µg/L	100	8/9/2008 6:13:02 PM
Xylenes, Total	11000	150		µg/L	100	8/9/2008 6:13:02 PM
Surr: 1,2-Dichloroethane-d4	99.5	68.1-123		%REC	100	8/9/2008 6:13:02 PM
Surr: 4-Bromofluorobenzene	90.9	53.2-145		%REC	100	8/9/2008 6:13:02 PM
Surr: Dibromofluoromethane	99.4	68.5-119		%REC	100	8/9/2008 6:13:02 PM
Surr: Toluene-d8	98.0	64-131		%REC	100	8/9/2008 6:13:02 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-10

Client Sample ID: Trip Blank
Collection Date:
Date Received: 8/7/2008
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Toluene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Ethylbenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Naphthalene	ND	2.0		µg/L	1	8/9/2008 7:10:38 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 7:10:38 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/9/2008 7:10:38 PM
Acetone	ND	10		µg/L	1	8/9/2008 7:10:38 PM
Bromobenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Bromoform	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Bromomethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
2-Butanone	ND	10		µg/L	1	8/9/2008 7:10:38 PM
Carbon disulfide	ND	10		µg/L	1	8/9/2008 7:10:38 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Chlorobenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Chloroethane	ND	2.0		µg/L	1	8/9/2008 7:10:38 PM
Chloroform	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Chloromethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/9/2008 7:10:38 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Dibromomethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/9/2008 7:10:38 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
2-Hexanone	ND	10		µg/L	1	8/9/2008 7:10:38 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 14-Aug-08

CLIENT: Golder Associates
Lab Order: 0808124
Project: Walsted 66
Lab ID: 0808124-10

Client Sample ID: Trip Blank
Collection Date:
Date Received: 8/7/2008
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/9/2008 7:10:38 PM
Methylene Chloride	ND	3.0		µg/L	1	8/9/2008 7:10:38 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Styrene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/9/2008 7:10:38 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/9/2008 7:10:38 PM
Vinyl chloride	ND	1.0		µg/L	1	8/9/2008 7:10:38 PM
Xylenes, Total	ND	1.5		µg/L	1	8/9/2008 7:10:38 PM
Surr: 1,2-Dichloroethane-d4	97.8	68.1-123		%REC	1	8/9/2008 7:10:38 PM
Surr: 4-Bromofluorobenzene	105	53.2-145		%REC	1	8/9/2008 7:10:38 PM
Surr: Dibromofluoromethane	98.2	68.5-119		%REC	1	8/9/2008 7:10:38 PM
Surr: Toluene-d8	97.1	64-131		%REC	1	8/9/2008 7:10:38 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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QA/QC SUMMARY REPORT

Client: Golder Associates
Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 0808124-01A MSD

MSD

Batch ID: R29702

Analysis Date: 8/9/2008 12:18:38 PM

Benzene	19.89	µg/L	1.0	99.5	72.4	126	0.331	15	
Toluene	18.08	µg/L	1.0	90.4	79.2	115	1.66	15	
Chlorobenzene	18.62	µg/L	1.0	93.1	83.1	111	0.300	15	
1,1-Dichloroethene	21.75	µg/L	1.0	109	81.4	122	1.61	17.8	
Trichloroethene (TCE)	20.01	µg/L	1.0	100	64.4	118	1.68	19.8	

Sample ID: 5ml rb

MBLK

Batch ID: R29702

Analysis Date: 8/8/2008 8:17:34 AM

Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Golder Associates
Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R29702 Analysis Date: 8/8/2008 8:17:34 AM

2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: b5

MBLK

Batch ID: R29702 Analysis Date: 8/8/2008 9:43:48 PM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Golder Associates
Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b5

MBLK

Batch ID: R29702 Analysis Date: 8/8/2008 9:43:48 PM

2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Golder Associates
 Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b5 MBLK Batch ID: R29702 Analysis Date: 8/8/2008 9:43:48 PM

Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: b9 MBLK Batch ID: R29702 Analysis Date: 8/9/2008 9:26:04 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Golder Associates

Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b9

MBLK

Batch ID: R29702 Analysis Date: 8/9/2008 9:26:04 AM

2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: 5ml rb

MBLK

Batch ID: R29720 Analysis Date: 8/11/2008 9:04:09 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Golder Associates

Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R29720 Analysis Date: 8/11/2008 9:04:09 AM

2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Golder Associates

Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R29720 Analysis Date: 8/11/2008 9:04:09 AM

Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: b5

MBLK

Batch ID: R29720 Analysis Date: 8/11/2008 9:56:40 PM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Golder Associates

Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b5

MBLK

Batch ID: R29720 Analysis Date: 8/11/2008 9:56:40 PM

2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: 100ng Ics

LCS

Batch ID: R29702 Analysis Date: 8/8/2008 9:55:34 AM

Benzene	20.43	µg/L	1.0	102	86.8	120
Toluene	18.82	µg/L	1.0	94.1	64.1	127
Chlorobenzene	18.96	µg/L	1.0	94.8	82.4	113
1,1-Dichloroethene	23.61	µg/L	1.0	118	86.5	132
Trichloroethene (TCE)	20.68	µg/L	1.0	103	77.3	123

Sample ID: 100ng Ics

LCS

Batch ID: R29702 Analysis Date: 8/8/2008 10:41:21 PM

Benzene	19.19	µg/L	1.0	96.0	86.8	120
Toluene	18.19	µg/L	1.0	91.0	64.1	127
Chlorobenzene	17.96	µg/L	1.0	89.8	82.4	113
1,1-Dichloroethene	21.70	µg/L	1.0	108	86.5	132
Trichloroethene (TCE)	20.34	µg/L	1.0	102	77.3	123

Sample ID: 100ng Ics

LCS

Batch ID: R29702 Analysis Date: 8/9/2008 10:23:31 AM

Benzene	19.37	µg/L	1.0	96.9	86.8	120
Toluene	17.99	µg/L	1.0	89.9	64.1	127
Chlorobenzene	18.10	µg/L	1.0	90.5	82.4	113

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Golder Associates

Project: Walsted 66

Work Order: 0808124

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		LCS				Batch ID: R29702	Analysis Date: 8/9/2008 10:23:31 AM		
1,1-Dichloroethene	21.65	µg/L	1.0	108	86.5	132			
Trichloroethene (TCE)	20.10	µg/L	1.0	100	77.3	123			
Sample ID: 100ng lcs		LCS				Batch ID: R29720	Analysis Date: 8/11/2008 10:12:27 AM		
Benzene	20.21	µg/L	1.0	101	86.8	120			
Toluene	18.45	µg/L	1.0	92.2	64.1	127			
Chlorobenzene	18.52	µg/L	1.0	92.6	82.4	113			
1,1-Dichloroethene	22.76	µg/L	1.0	114	86.5	132			
Trichloroethene (TCE)	20.98	µg/L	1.0	105	77.3	123			
Sample ID: 100ng lcs		LCS				Batch ID: R29720	Analysis Date: 8/11/2008 10:54:22 PM		
Benzene	20.15	µg/L	1.0	101	86.8	120			
Toluene	18.06	µg/L	1.0	90.3	64.1	127			
Chlorobenzene	18.43	µg/L	1.0	92.2	82.4	113			
1,1-Dichloroethene	22.75	µg/L	1.0	114	86.5	132			
Trichloroethene (TCE)	22.18	µg/L	1.0	111	77.3	123			
Sample ID: 0808124-01A MS		MS				Batch ID: R29702	Analysis Date: 8/9/2008 11:49:53 AM		
Benzene	19.96	µg/L	1.0	99.8	72.4	126			
Toluene	18.38	µg/L	1.0	91.9	79.2	115			
Chlorobenzene	18.68	µg/L	1.0	93.4	83.1	111			
1,1-Dichloroethene	22.10	µg/L	1.0	111	81.4	122			
Trichloroethene (TCE)	20.35	µg/L	1.0	102	64.4	118			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **GOLDER ASSOC**

Date Received:

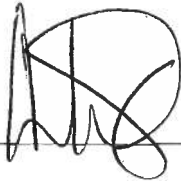
8/7/2008

Work Order Number **0808124**

Received by: **AT**

Checklist completed by:

Signature



8/7/08

Date

Sample ID labels checked by:

Initials



Matrix:

Carrier name Client drop-off

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☐

Not Shipped ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

1°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

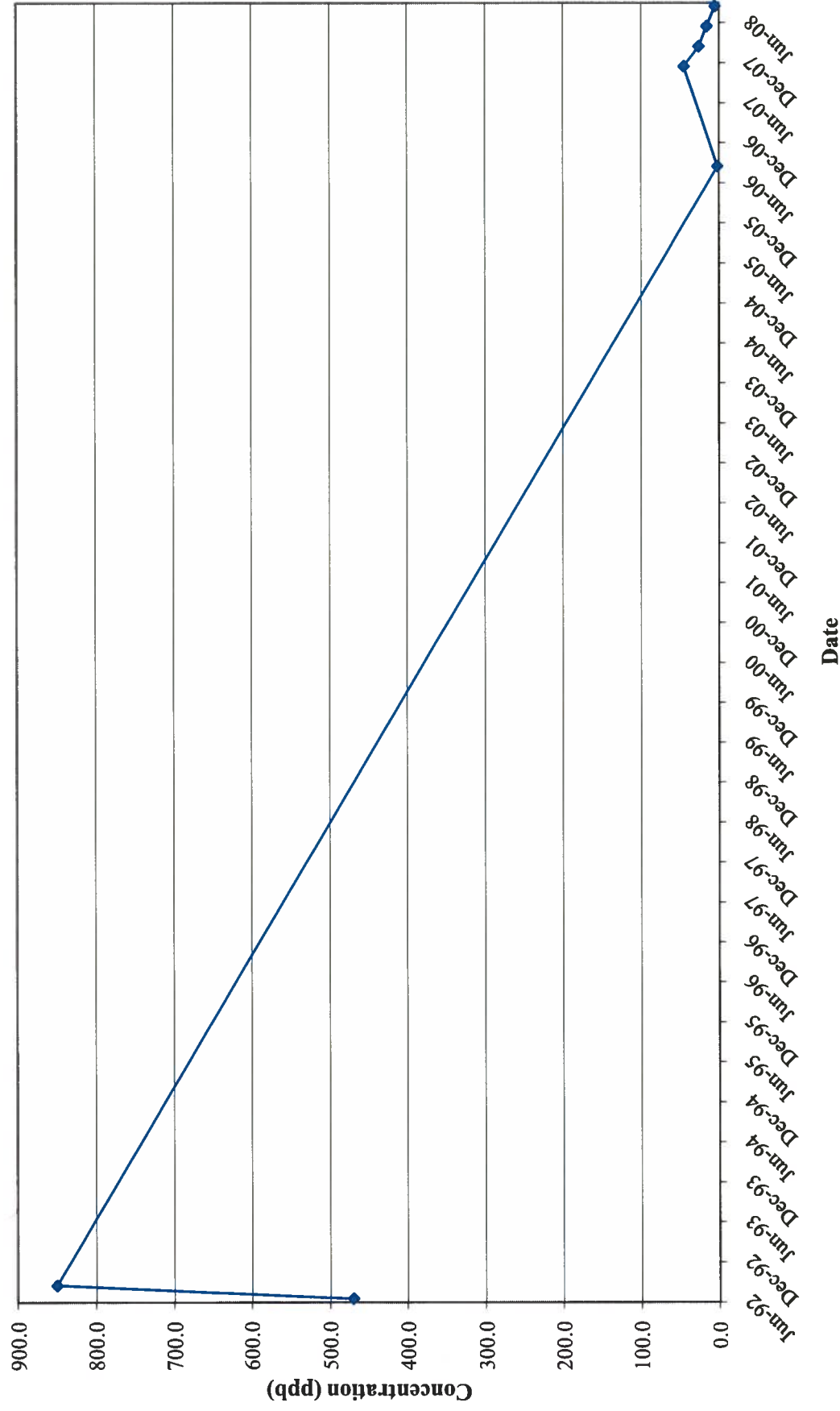
Contacted by: _____ Regarding: _____

Comments: _____

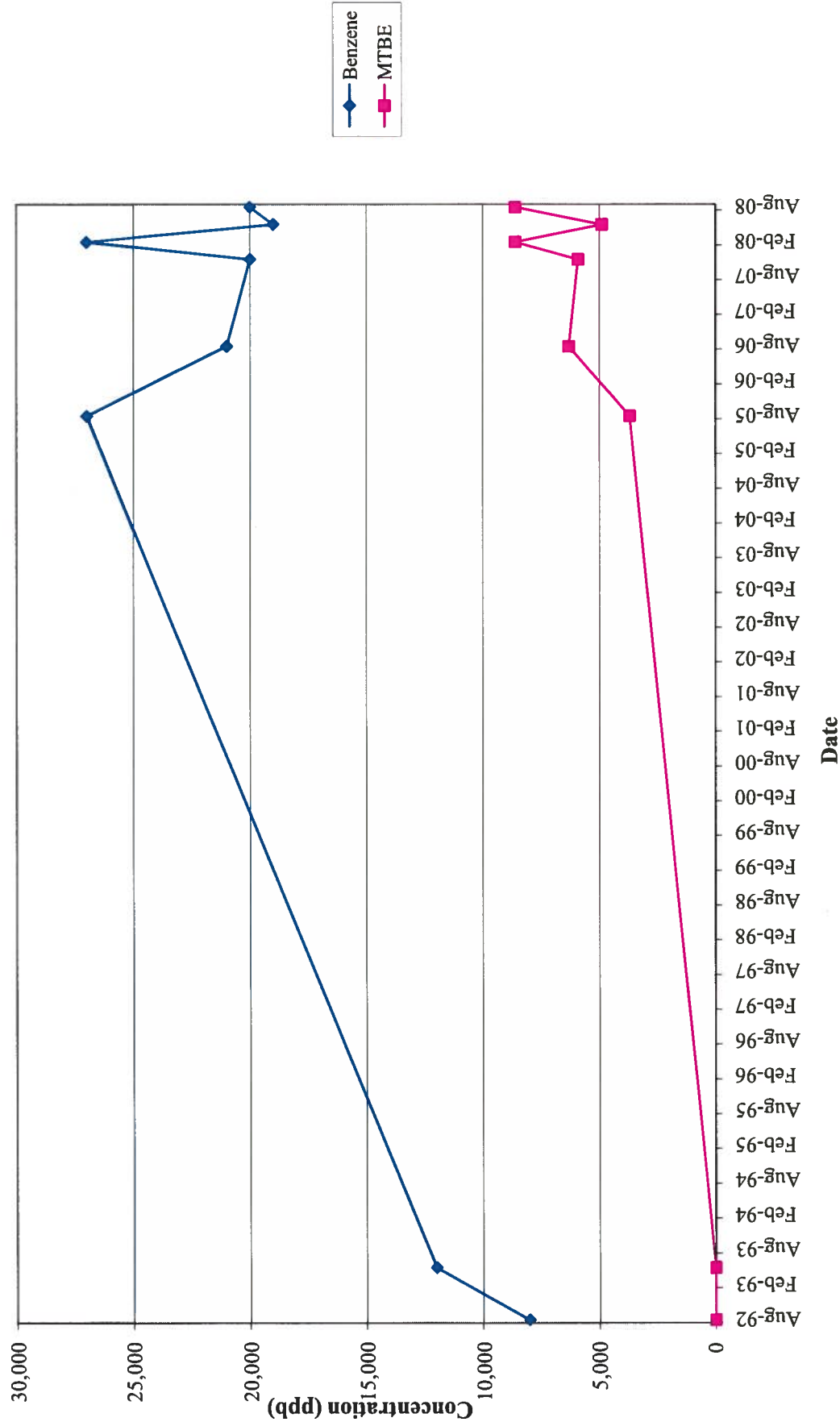
Corrective Action _____

APPENDIX D
CONCENTRATION TRENDS

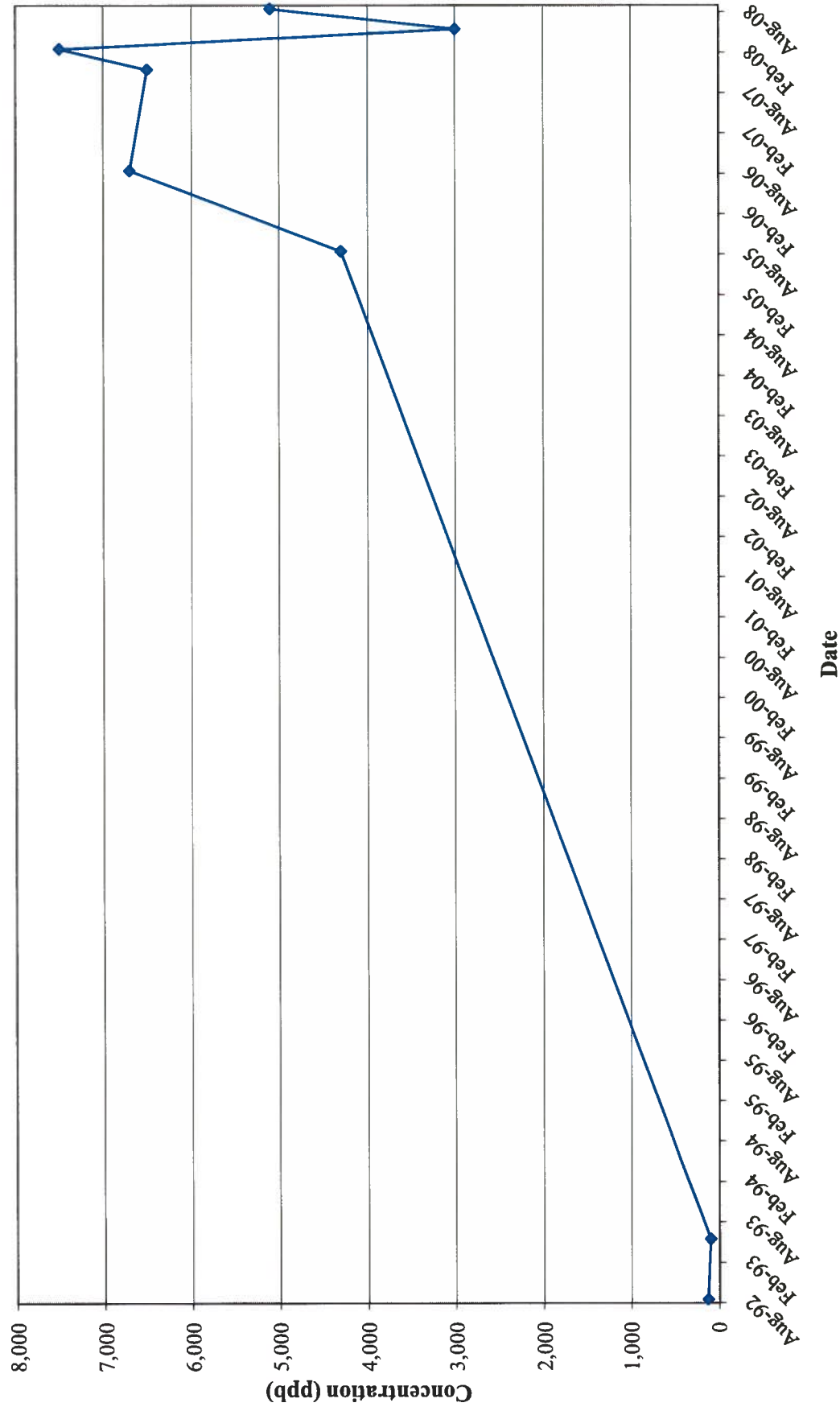
Benzene Trend for W-5



Benzene and MTBE Trend for W-8



Benzene Trend for W-9





Golder Associates Inc.

5200 Pasadena N.E., Suite C
Albuquerque, NM USA 87113
Telephone (505) 821-3043
Fax (505) 821-5273
www.golder.com



August 26, 2008

Mr. TC Shapard
NMED PSTB District 4
1914 West Second
Roswell, New Mexico 88201

**RE: GROUNDWATER MONITORING REPORT,
LOVINGTON 66,
LOVINGTON, NEW MEXICO**

Dear Mr. Shapard:

Enclosed, please find the Groundwater Monitoring Report for the Lovington 66 site located in Lovington, New Mexico.

If you have any questions, please feel free to contact me at (505) 821-3043.

Sincerely,

GOLDER ASSOCIATES INC.

A handwritten signature in blue ink that reads 'Teri McMillan'.

Teri McMillan
Senior Scientist

cc: Jim Maddox, Maddox, Holloman & Kirksey P.C.