0058808

FROM THE DESK OF: Doris E. Ayres
Sample and Data Management
372-9576/H9-03

FS0163

TO: FILE **DATE:** December 30, 1998

SUBJECT: RECEIPT OF DATA

The following data package was not formally transmitted to Sample and Data Management under BHI-EE-05 Section 1.7. The package was prepared using copies of all pertinent logbook pages provided by the Field Samplers.

This package is now considered a record under BHI-EE-01. It will be transmitted to the records holding area as outlined in section 2.6 of the referenced procedure.

RECEIVED
FEB 18 2003
EDMC

DATA DELIVERABLE COVER SHEET FS0163

Data Deliverable Cover Sheet

Date: Wednesday, December 30, 1998

Deliverable type (check one): _____ **Preliminary Test Results**
✓ **Final Data Deliverable**

Sample authorization form number: C98-014

Attachments (check all that apply or n/a): _____ **Narrative Summary**
✓ **Test Results**
_____ **Chains of Custody**

Total number of pages (including cover sheet): 3 **pages**

Comments:
(Note: If Preliminary results were provided verbally, document information provided below including instrument used and results as Communicated to the project.)

M.G. Bachler
Analyst Signature

12/30/98
Date

Distribution: **Sample Management – Doris Ayres H9- 03**
Project (specify) None. Distributed electronically

Requires distribution to listed project personnel by Sample Management.

MOBILE LABORATORY DATA/LOG SHEET

Site Name: 200-ZP-1 Groundwater **Date:** 11/19/97

Sample Number	HEIS Number	Sample Time	Sample Type	Sampler (Initials)	Analysis Time	Analytical Results			Comments
						TCM ug/L	CCl4 ug/L	TCE ug/L	
DI Blank	—	0800	Water	MAB	1103	<2.0	<2.0	<2.0	hs014.d
5ug/L Cal. check	—	0830	Water	MAB	1114	5.4 **109%**	7.1 **142%**	5.8 **116%**	hs015.d; Cal. table level 1 updated to reflect higher R.F. for all comp.
DI Blank	—	0800	Water	MAB	1125	<2.0	<2.0	<2.0	hs016.d
5ug/L Cal. check	—	1105	Water	MAB	1136	4.9 **99%**	3.7 **75%**	4.3 **86%**	hs017.d
DI Blank	—	0800	Water	MAB	1147	<2.0	<2.0	<2.0	hs018.d; 11/14/97
699-33-79	BOMD65	1025	Water	MAB	1158	< 2.0	3.5	< 2.0	hs019.d; 11/14/97
299-W18-26	BOMD63	1117	Water	MAB	1209	14	217	< 2.0	hs020.d; 11/14/97
299-W18-26	BOMD64	1117	Water	MAB	1220	3.2	38	< 2.0	hs021.d; 11/14/97
299-W14-9	BOMD66	1325	Water	MAB	1231	113	75	4.3	hs022.d; 11/14/97
299-W15-4	BOMD70	1240	Water	MAB	1242	5.6	327	< 2.0	hs023.d; 11/14/97
299-W18-21	BOMD72	0940	Water	MAB	1252	< 2.0	221	< 2.0	hs024.d; 11/14/97
299-W15-15	BOMD67	1150	Water	MAB	1303	4.9	974	< 2.0	hs025.d; 11/14/97
299-W18-1	BOMD71	0847	Water	MAB	1314	16	1730	< 2.0	hs026.d; 11/14/97
299-W15-31A	BOMD62	1301	Water	MAB	1325	38	5816	7.7	hs027.d; 11/13/97
DI Blank	—	0800	Water	MAB	1336	<2.0	<2.0	<2.0	hs028.d
183N	BOMFR2	0753	Water	MAB	1347	31	9.2	< 2.0	hs029.d
DI Blank	—	0800	Water	MAB	1420	<2.0	<2.0	<2.0	hs030.d
3000ug/L Cal. check	—	0830	Water	MAB	1409	3246. **108%**	3711. **124%**	3471. **116%**	hs031.d; **Acceptable recovery.**
DI Blank	—	0800	Water	MAB	1420	<2.0	<2.0	<2.0	hs032.d

M.A. Baechle / M.A. Baechle 11/19/97

Not Used

200-ZP-1 Daily Activity Log
Date: 11/19/97

0800	Arrived on-site at laboratory trailer located at Z-9 crib area. Turned on HP 5890 S/N 3235447685 gas chromatograph and HP 7694 headspace analyzer. Loaded methods HSECDFID.MTH (HP 5890) and HSECDFID.HSM (HP 7694).
0815	Split flow = 39.9 mL/min. Septum purge = 3.12 mL/min.
0820	Prepared new sample sequence "Z111997.S"
0830	Prepared calibration standards of 5, 100, 200, 2000, 4000, and 8000 ug/L and calibration check standards of 5 and 3000 ug/L
0845	Prepared 200-ZP-1 GW samples for analysis. Transferred 10 mL of each sample to clean 20 mL HP vial using the syringe transfer method.
0935	Started calibration of HP 5890 gas chromatograph.
1045	Opened new vial of parent stock # 52893, Lot # A009674.
1055	Prepared new 50 ug/L working standard from #52893 parent stock of custom VOA mix (2000 ug/mL). 487.5 uL methanol + 12.5 uL parent stock.
1100	Prepared new 1000 ug/L working standard from # 52893 parent stock of custom VOA mix (2000 ug/mL). 250 uL methanol + 250 uL parent stock.
1041	Completed calibration of HP 5890 gas chromatograph. Calibration curves are acceptable.
1105	Prepared 5 ug/L calibration check standard.
1114	5 ug/L calibration check: DCM = 5.04 (101%), TCM = 5.44 (109%), CCl_4 = 7.09 (142%), TCE = 5.80 (116%), PCE = 6.06 (121%). Acceptable recoveries.
1136	5 ug/L calibration check: DCM = 5.21 (104%), TCM = 4.92 (99%), CCl_4 = 3.72 (75%), TCE = 4.28 (86%), PCE = 3.81 (76%). Acceptable recoveries.
1158	Started analysis of groundwater samples.
1325	Completed analysis of groundwater samples.
1409	3000 ug/L calibration check: DCM = 3163 (105%), TCM = 3246 (108%), CCl_4 = 3711 (124%), TCE = 3471 (116%), PCE = 3701 (123%). Acceptable Recoveries.
1455	Set oven temperature to 175 C for 45 minutes to bake contaminants off column.
1540	Loaded standby method.
1545	Shut down equipment and left site.

M.H. Barcher / M.G. Barcher 11/19

MOBILE LABORATORY DATA/LOG SHEET

Site Name: 200-ZP-1 Phase III & Groundwater

Date: 11/25/97

Sample Number	HEIS Number	Sample Time	Sample Type	Sampler (Initials)	Analysis Time	Analytical Results			Comments
						TCM ug/L	CCl4 ug/L	TCE ug/L	
DI Blank	—	0730	Water	MAB	1015	<2.0	<2.0	<2.0	hs013.d
5ug/L Cal. check	—	0750	Water	MAB	1026	8.2 164%	8.9 177%	8.3 166%	hs014.d; Cal. table level 1 updated to reflect higher R.F. for all comp.
DI Blank	—	0730	Water	MAB	1037	<2.0	<2.0	<2.0	hs015.d
5ug/L Cal. check	—	0750	Water	MAB	1048	5.2 104%	5.2 104%	5.1 102%	hs016.d; Acceptable Recovery.
DI Blank	—	0730	Water	MAB	1059	<2.0	<2.0	<2.0	hs017.d
Z-T2-01	B0MBX4	0827	Water	MAB	1116	<2.0	<2.0	<2.0	hs018.d;
Z-V1-01	B0MBX5	0829	Water	MAB	1127	<2.0	<2.0	<2.0	hs019.d
299-W15-19	B0MD69	1115	Water	MAB	1138	3.2	35	< 2.0	hs020.d; 11/24/97
183N	B0MJ72	0758	Water	MAB	1149	70	< 2.0	< 2.0	hs021.d; 11/25/97
Z-T1-01	B0MBX6	0831	Water	MAB	1200	22	3682	8.6	hs022.d
Z-W1-01	B0MBX7	0833	Water	MAB	1212	23	5000	9.7	hs023.d
Z-W2-01	B0MBX8	0835	Water	MAB	1223	14	3073	12	hs024.d
Z-W3-01	B0MBX9	0844	Water	MAB	1234	18	3613	6.6	hs025.d; Taken @ manifold bldg.
Z-W4-01	B0MBY0	0846	Water	MAB	1245	43	7023	7.0	hs026.d; Taken @ manifold bldg.
Z-W5-01	B0MBY1	0853	Water	MAB	1257	25	2253	12	hs027.d; Taken @ manifold bldg.
Z-W6-01	B0MBY2	0855	Water	MAB	1308	22	273	2.0	hs029.d; Taken @ manifold bldg.
Z-W6-01 Duplicate	B0MBY3	0855	Water	MAB	1319	2.5	30	<2.0	hs029.d; Taken @ manifold bldg.
DI Blank	—	0730	Water	MAB	1331	<2.0	<2.0	<2.0	hs030.d
3000ug/L Cal. check	—	0750	Water	MAB	1342	3496. 117%	4006. 134%	3771. 126%	hs031.d; High recovery, Rerun.
DI Blank	—	0730	Water	MAB	1353	<2.0	<2.0	<2.0	hs032.d
3000ug/L Cal. check	—	0750	Water	MAB	1416	3369. 112%	3370. 112%	3459. 115%	hs034.d; Acceptable recovery.
DI Blank	—	0730	Water	MAB	1427	<2.0	<2.0	<2.0	hs035.d
						ppm	ppm	ppm	
Blank	—	—	Air	MAB	0945	<1.0	<1.0	NAF	B&K 1302
27.6 ppm Cal. check	—	—	Air	MAB	0947	<1.0	23.8 86%	NAF	B&K 1302 Acceptable recovery.
Z-A3-01	B0MBL8	0838	Air	MAB	0949	<1.0	<1.0	NAF	B&K 1302
Z-A2-01	B0MBL7	0836	Air	MAB	0951	<1.0	17.8	NAF	B&K 1302
Blank	—	—	Air	MAB	0953	<1.0	<1.0	NAF	B&K 1302

MOBILE LABORATORY DATA/LOG SHEET

Site Name: 200-ZP-1 Phase III

Date: 11/20/97

Sample Number	HEIS Number	Sample Time	Sample Type	Sampler (Initials)	Analysis Time	Analytical Results			Comments
						TCM ug/L	CCl4 ug/L	TCE ug/L	
DI Blank	—	0800	Water	MAB	1033	<2.0	<2.0	<2.0	hs013.d
5ug/L Cal. check	—	0815	Water	MAB	1044	8.2 164%	8.9 177%	8.3 166%	hs014.d; Cal. table level 1 updated to reflect higher R.F. for all comp.
DI Blank	—	0800	Water	MAB	1055	<2.0	<2.0	<2.0	hs015.d
5ug/L Cal. check	—	0815	Water	MAB	1106	5.2 104%	5.2 104%	5.1 102%	hs016.d; Acceptable Recovery.
DI Blank	—	0800	Water	MAB	1118	<2.0	<2.0	<2.0	hs017.d
Z-T2-01	B0MBW4	0920	Water	MAB	1129	<2.0	<2.0	<2.0	hs018.d;
Z-V1-01	B0MBW5	0936	Water	MAB	1140	<2.0	<2.0	<2.0	hs019.d
299-W18-26	B0MD63	1117	Water	MAB	1151	12	128	< 2.0	hs020.d; 11/14/97
299-W18-26	B0MD64	1117	Water	MAB	1202	10	90	< 2.0	hs021.d; 11/14/97
Z-T1-01	B0MBW6	0942	Water	MAB	1212	24	3133	6.1	hs022.d
Z-W1-01	B0MBW7	0957	Water	MAB	1223	23	5285	8.7	hs023.d
Z-W2-01	B0MBW8	1009	Water	MAB	1234	13	3017	9.9	hs024.d
Z-W3-01	B0MBW9	1033	Water	MAB	1245	5.6	1332	<2.0	hs025.d; Taken @ manifold bldg.
Z-W4-01	B0MBX0	1042	Water	MAB	1257	41	6318	4.6	hs026.d; Taken @ manifold bldg.
Z-W5-01	B0MBX1	1105	Water	MAB	1308	25	2279	10	hs027.d; Taken @ manifold bldg.
Z-W5-02 Duplicate	B0MBX2	1105	Water	MAB	1319	22	1785	8.2	hs028.d; Taken @ manifold bldg.
Z-W6-01	B0MBX3	1542	Water	MAB	1601	17	183	<2.0	hs029.d; Taken @ manifold bldg.
DI Blank	—	0800	Water	MAB	1612	<2.0	<2.0	<2.0	hs030.d
3000ug/L Cal. check	—	0815	Water	MAB	1623	3309. 110%	3696. 123%	3438. 115%	hs031.d; Acceptable recovery.
DI Blank	—	0800	Water	MAB	1634	<2.0	<2.0	<2.0	hs032.d
						ppm	ppm	ppm	
Blank	—	—	Air	MAB	1143	<1.0	<1.0	NAF	B&K 1302
27.6 ppm Cal. check	—	—	Air	MAB	1145	1.27	25.1 91%	NAF	B&K 1302 Acceptable recovery.
Z-A3-01	B0MBL6	09:08	Air	MAB	1147	<1.0	<1.0	NAF	B&K 1302
Z-A2-01	B0MBL5	09:06	Air	MAB	1149	<1.0	15.9	NAF	B&K 1302
Blank	—	—	Air	MAB	1151	<1.0	<1.0	NAF	B&K 1302

[illegible] 11/20/97