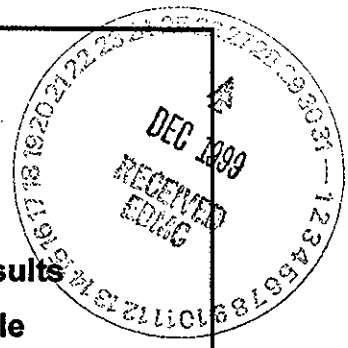
FS-C98014-Field

0052229

DATA DELIVERABLE COVER SHEET



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.

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. Barnett / M.G. Barnett 11/19

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

Hct

Lkd