TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: FLGW-AP01-0019-012302

Tetra Tech NUS Job No./PMS N4123-0324
QC: _____ (If applicable)

Sample Method: Waterloo w/ direct push
Depth Sampled: 19 Feet Screened Interval Depth NA feet
Sample Date & Time: 1/23/02 1615 hours _____ /Dup
Sampler(s): B. Fennelly
Data Recorded By: B. Fennelly Signature: [signature]
Notes: gw level reported to be 10.5' bgs.

H&S Survey Meter _____ PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL NA ft Post - pump insertion WL NA ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
VOCs					
Metals					

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
1455	NA	NA	start								
1515			30		14.46	845	4.72	189.5	8.61	172	
1525			26		14.53	844	4.74	190.4	8.72	117	
1535			26		14.32	842	4.74	185.6	8.64	109	
1540			26		14.06	840	4.71	181.4	8.62	100	
1545			26		14.05	839	4.73	183.9	8.84	80.5	
1550			26		13.91	841	4.72	176.9	8.77	70.8	
1555			26		13.86	842	4.73	175.0	8.72	63.7	
1600			26		13.68	844	4.72	170.1	8.76	56.5	
1605			26		13.56	845	4.72	169.3	8.73	53.2	
1610			26		13.51	846	4.72	172.8	8.72	52.1	
	↓	↓									

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

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TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-APOZ-0013-012502

Tetra Tech NUS Job No./PMS N4123-0324
QC: IPGW-DP04-012502 (If applicable)

Sample Method: low flow
Depth Sampled: 13 Feet Screened Interval Depth 10-15 feet bgs
Sample Date & Time: 1/25/02 1445 hours 1450 /Dup
Sampler(s): J. Lambert
Data Recorded By: J. Lambert Signature: J. Lambert
Notes: MP = Top of PVC (TPVC)
bgs = below ground surface
PVC stick up = 0.25' below ground surface.

H&S Survey Meter N/A PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL 12.20 ft Post - pump insertion WL N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
metals	0°L1218030				
VOAs	0144046				

Clock Time 24hr	Water Depth below MP ft	Pump Dial [1]	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. [2] uS/cm	pH	ORP/Eh[3] mv	DO mg/L	Turbidity NTU	Comments
1305	12.20	N/A	Begin	purge							
1310	12.35		80		13.63	2001	5.92	-128.4	1.54	49.0	*
1315	12.37		80		13.88	2002	5.92	-161.8	1.27	31.5	
1320	12.36		90 120		13.90	2005	5.92	-201.7	1.07	22.0	
1325	12.35		130		13.82	2002	5.91	-253.6	0.97	12.9	
1330	12.34		140		13.78	2002	5.92	-323.7	0.91	9.31	
1335	12.34		120		13.71	2003	5.92	-439.1	0.85	6.54	
1340	12.34		140		13.93	2002	5.92	-438.4	0.78	6.42	
1345	12.35		130		13.81	2002	5.92	-399.6	0.74	5.37	
1350	12.35		150		13.75	2003	5.92	-406.8	0.71	4.17	
1355	12.34		120		13.70	2003	5.91	-377.0	0.68	3.71	
1400	12.34		120		13.57	2003	5.91	-369.5	0.65	3.93	
1405	12.35		120		13.57	2002	5.90	-330.7	0.64	4.32	
1410	12.34		120		13.32	2012	5.91	-304.1	0.64	3.57	
1415	12.35		140		13.10	2008	5.91	-285.7	0.63	3.49	
1420	12.35		130		13.38	2004	5.90	-300.3	0.64	3.02	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

* purge water has a yellow tinge and a sheen

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX

Sample ID: IPGW-AP02-0013-012502

Tetra Tech NUS Job No./PMS N4123-0324

QC: IPGW-DP04-012502 (If applicable)

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged ~~liters~~ gal	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
1425	12.34	N/A	120	~~1~~	13.23	2068	5.91	-268.4	0.64	3.58	
1430	12.34		120		12.69	2010	5.90	-235.3	0.65	3.57	
1435	12.35		120		12.43	2008	5.90	-230.1	0.66	3.46	
1440	12.35		110	3	12.30	2009	5.90	-225.8	0.66	3.51	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-AP02-0018-012502

Tetra Tech NUS Job No./PMS N4123-0324
QC: N/A (If applicable)

Sample Method: low-flow
Depth Sampled: 18 Feet Screened Interval Depth N/A feet
Sample Date & Time: 1/25/02 1140 hours N/A /Dup
Sampler(s): J. Lambert
Data Recorded By: J. Lambert Signature: J. Lambert
Notes: unable to take parameters until 10:30 - flow-through cell did not fill completely until 10:30

H&S Survey Meter N/A PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL 12.2 ft Post - pump insertion WL N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
VOAs	0144040				
metals	1218030				

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
0950	12.2	N/A	12	Begin purge							
1030			10		9.90	1803	5.99	-15.7	8.47	7.43	*
1035			10		9.89	1810	5.99	-13.2	8.38	5.44	
1040			10		9.90	1814	6.00	-10.0	8.37	6.51	
1045			10		9.91	1818	5.98	-6.5	8.42	6.42	
1050			10		9.94	1826	6.00	-2.8	8.38	9.77	
1055			10		10.00	1831	6.00	2.6	8.34	9.95	
1100			9		10.04	1835	6.00	7.1	8.34	6.21	
1105			9		10.09	1838	6.00	12.3	8.31	4.54	
1110			10		10.10	1842	5.99	15.9	8.29	3.76	
1115			10		10.14	1844	6.00	19.9	8.26	4.13	
1120			10		10.15	1847	6.00	23.7	8.26	12.6	
1125			10		10.18	1850	6.00	26.7	8.27	8.90	
1130			9		10.22	1852	6.00	29.7	8.24	9.12	
1135			9	0.5	10.29	1856	6.01	31.6	8.18	8.68	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

* water has a yellow tinge

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TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-AP02-00~~31~~28-012402

Tetra Tech NUS Job No./PMS: N4123-0324
QC: N/A (If applicable)

Sample Method: low stress
Depth Sampled: ~~10~~ 27 ~~27.5~~ Feet Screened Interval Depth: N/A feet
Sample Date & Time: 1/29/02 1625 hours N/A /Dup
Sampler(s): J. Lambert, J. Danieli
Data Recorded By: J. Lambert Signature: J. Lambert
Notes: parameters recorded when flow through cell filled

H&S Survey Meter: N/A PPM Field Instrument Group: (A)/B/C/D
Pre-pump insertion WL: 12.9 ft Post - pump insertion WL: N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
VOA	B-0144040				
metals	C-1218030				

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
1220 ~~1055~~	~~10~~ 1/24/02	Begin	purge								
1415	N/A		6		15.76	1292	6.20	-61.8	6.65	484	*
1425			6		15.55	1298	6.20	-62.4	6.96	563	
1430			6		15.42	1300	6.20	-61.7	6.89	648	
1440			7		15.28	1302	6.19	-61.8	7.01	556	
1450			6		15.09	1305	6.19	-61.7	7.04	459	
1500			6		14.92	1308	6.18	-61.3	7.13	368	
~~1510~~	1508		8		14.81	1314	6.18	-60.8	7.00	340	
1516			7		14.78	1321	6.15	-61.2	7.08	295	
1524			7		14.66	1325	6.13	-59.9	7.07	294	
1532			7		14.46	1329	6.13	-59.0	7.15	246	
1540			7		14.36	1332	6.12	-58.2	7.07	201	
1548			7		14.28	1335	6.12	-57.4	7.13	357	
1556			6		14.08	1338	6.11	-57.1	7.02	265	
1604			6		13.93	1339	6.10	-56.0	7.08	186	
1612			6		13.83	1341	6.10	-55.6	7.06	94.4	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

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* note- due to extremely low purge rate, unable to record all parameters in 5-min intervals

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-AP02-0028-012402

Tetra Tech NUS Job No./PMS N4123-0324
QC: N/A (If applicable)

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged ~~liters~~ ml	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
1620	N/A	N/A	6	2	13.75	1343	6.09	-55.1	7.22	94.6	**
1625			Begin	sampling.							

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

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** at this time, purge time has been 4 hours - will sample without stabilization. All parameters except turbidity are stable.

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-AP03-0015-012902

Tetra Tech NUS Job No./PMS N4123-0324
QC: _____ (If applicable)

Sample Method: low-flow w/ peristaltic pump + YSI
Depth Sampled: 15 *Feet Screened Interval Depth _____ feet
Sample Date & Time: 1 / 29 / 02 0845 hours _____ /Dup
Sampler(s): B. Farrelly
Data Recorded By: B. Farrelly Signature: B. Farrelly
Notes: * bgs. (1' off bottom) MP = Top of PVC = 2.33 ft above ground surface.

H&S Survey Meter _____ PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL _____ ft Post - pump insertion WL _____ ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
Metals					
VOCs					

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
0745	14.71	NA									
~~0800~~ 0755	14.75		125		10.17	887	5.23	-97.5	4.25	310	
0805	14.77		125		10.58	854	4.82	-72.7	2.94	55.6	
0810	14.75		125		10.54	853	4.78	-68.4	2.92	22.2	
0815	14.75		125		10.66	849	4.75	-59.7	2.90	12.1	
0820	14.75		125		10.76	848	4.73	-54.8	2.86	7.5	
0825	14.75		125		10.76	846	4.71	-53.2	2.91	6.80	
0830	14.75		125		10.84	846	4.69	-50.0	2.89	4.40	
0835	14.75		125		10.82	845	4.69	-50.4	2.95	4.34	
0840	14.75		125		10.84	845	4.69	-49.7	3.03	4.49	
		↓									

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW-FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW- AP03 -0021- 012502

Tetra Tech NUS Job No./PMS 4123-0324
QC: (If applicable)

Sample Method/Pump Type peristaltic pump w/ S/S tubing
Depth of Pump Insertion from MP: 20 Feet

Sample Date & Time: 1 / 25 /2002 1232 hours /Dup

Sampler(s): K. O'Neill

Data Recorded By (Signature): KO'Neill

Notes: Purge start at 1025 - 1335 ~3.25 hrs

H&S Survey Meter 0 PPM
Pre-pump insertion WL N/A ft
Field Instrument Group A/B/C/D
Post - pump insertion WL N/A ft

Analytical Parameters Collected (check appropriate):
VOA 3 3-40mL VOA vials w/HCl
SVOC -One liter amber glass
Metals 1 1-1Liter poly (HNO3 less than 2 pH)
Other

Clock Time 24hr	Water Depth below MP ft		Purge Rate ML/min	NOTES	Temp °C	Spec. Cond. 2 uS/cm	DO mg/L	pH	ORP/Eh3 Mv	Turbidity NTU	Comments
PURGE	START:	1025 Takes a long time to fill flow thru cell									
1125	N/R		20		13.27	968	5.72	6.12	38.7	48.8	
1144	↓				13.52	966	5.95	6.12	32.7	10.02	
1200	↓		18		14.02	961	5.88	6.13	26.8	11.94	
1215			18		14.44	959	5.72	6.12	24.8	10.59	
1220			18	Sunny, warming up today	14.38*	958	5.72	6.11	23.1	9.42	
1225					14.37	958	5.70	6.11	23.7	8.68	
1230					14.41	958	5.66	6.12	24.0	8.60	
	1232 Started Sampling - Complete at 1335										
								KTO			

1
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

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N/R not recorded, Johnson Co. tranducer is broken (frozen) on 1-23-02

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CA02-0007-012502

Tetra Tech NUS Job No./PMS N4123-0324
QC: _____ (If applicable)

Sample Method: Low-Flow w/ peristaltic pump + YSI
Depth Sampled: 7 Feet* Screened Interval Depth 3-13 feet bgs
Sample Date & Time: 1 / 25 / 02 1510 hours NA /Dup
Sampler(s): B. Fennelly
Data Recorded By: B. Fennelly Signature: [signature]
Notes: * bgs.

MP = Top of PVC (TPVC)
PVC stick-up = 2.65 ft above ground surface.

H&S Survey Meter NA PPM
Pre-pump insertion WL _____ ft
Field Instrument Group A/B/C/D
Post - pump insertion WL _____ ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
VOCs					
Metals					

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
1410	5.09	NA	start								
1420	5.27		195		7.19	956	6.25	-330.3	3.15	80.3	
1430	5.32		185		6.99	972	6.48	-329.7	1.42	56.4	
1435	5.33		185		6.97	969	6.51	-334.1	1.29	39.5	
1440	5.33		185		6.80	966	6.51	-295.1	1.44	30.7	
1445	5.34		185		6.79	971	6.52	-306.4	1.14	29.1	
1450	5.34		185		6.86	965	6.54	-308.0	0.78	27.9	
1455	5.34		185		6.91	960	6.54	-310.7	0.83	20.2	
1500	5.34		185		6.93	957	6.55	-310.9	0.80	20.8	
1505	5.34		185		6.95	954	6.55	-310.4	0.80	19.8	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW-FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW- CA03 - 0005 - 011102

Tetra Tech NUS Job No./PMS 4123-0324
QC: _____ (If applicable)

Sample Method/Pump Type: peristaltic w/ teflon tubing
Depth of Pump Insertion from MP: 5.0 Feet b Well Screen 1-11' bgs
Sample Date & Time: 1 /11 /2002 1330 hours _____ /Dup
Sampler(s): K O'Neill
Data Recorded By (Signature): Kevin O'Neill
Notes: collected at shallow well at 5' bgs MP= top of PVC = 40" above ground surface RAINING

H&S Survey Meter 0 PPM
Pre-pump insertion WL 1.70 ft
Field Instrument Group (A)/B/C/D
Post - pump insertion WL 1.72 ft

Analytical Parameters Collected (check appropriate):
VOA 3 3-40mL VOA vials w/HCl
SVOC _____ -One liter amber glass
Metals 1 1-1Liter poly (HNO3 less than 2 pH)
Other _____

Clock Time 24hr	Water Depth below MP ft		Purge Rate ML/min	NOTES	Temp °C	Spec. Cond. 2 uS/cm	DO mg/L	pH	ORP/Eh3 Mv	Turbidity NTU	Comments
PURGE	START:	1205									
1224	1.81		190		6.09	270	2.79	7.16	-78.8	19.16	
1230	1.72		↓		5.85	260	2.45	6.54	-124.8	15.6	
1239	1.74		↓	Clear	5.69	259	2.38	6.32	-135.4	10.5	
1250			↓		5.64	259	2.28	6.25	-136.6	8.26	
1255	1.72		190		5.64	260	2.16	6.24	-138.6	6.74	
1300	1.72				5.62	260	2.07	6.23	-149.8	4.99	
1305			↓		5.57	261	1.96	6.21	-141.8	4.26	
1310	1.72		190	Clear	5.54	262	1.89	6.21	-144.9	3.66	
1314	1.72				5.49	261	1.80	6.20	-145.2	2.75	
1320	1.72		190		5.52	261	1.79	6.20	-144.5	2.79	
1325	1.72		190	Clear	5.55	261	1.82	6.20	-143.9	2.85	
1330 Sampled											

1
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

RAINING

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW-FLOW" GROUNDWATER

Site Name: CA03 INDUSTRIPLEX
Sample ID: IPGW- CA03-0012-011102

Tetra Tech NUS Job No./PMS 4123-0324
QC: _____ (If applicable)

Sample Method/Pump Type: waterloo method, direct push
Depth of Pump Insertion from MP: 12 Feet

Sample Date & Time: 1 / 11 /2002 1025 hours _____ /Dup

Sampler(s): B. Fennelly

Data Recorded By (Signature): Brian Fennelly

Notes: water depth reported to be 1.2' bgs. Appears to be fine sand in the purge water.

H&S Survey Meter _____ PPM
Pre-pump insertion WL NA - ft

Field Instrument Group A/B/C/D
Post - pump insertion WL _____ ft

Analytical Parameters Collected (check appropriate):
VOA ✓ 3-40mL VOA vials w/HCl
SVOC _____ -One liter amber glass
Metals ✓ 1-1Liter poly (HNO3 less than 2 pH)
Other _____
_____

Clock Time 24hr	Water Depth below MP ft	Vol. purged (L)	Purge Rate ML/min	NOTES	Temp °C	Spec. Cond. 2 uS/cm	DO mg/L	pH	ORP/Eh3 Mv	Turbidity NTU	Comments
PURGE	START:	0905 (start)	25								
0935	NA	230	25		10.04	379	10.13	6.26	330.4	125	
0945			25		10.48	372	9.97	6.12	330.2	76.5	
0955			25		10.68	370	9.81	6.12	332.3	35.4	
1005			25		10.94	367	9.64	6.12	330.2	31.8	
1015			25		11.06	365	9.58	6.08	328.7	31.2	
1020		125	25		11.06	364	9.65	6.10	328.3	30.8	

1
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW-FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CA03-0016-011102

Tetra Tech NUS Job No./PMS 4123-0324
QC: _____ (If applicable)

Sample Method/Pump Type: Waterloo, direct push.
Depth of Pump Insertion from MP: 16.2 Feet

Sample Date & Time: 1 / 11 /2002 1300 hours _____ /Dup

Sampler(s): B. Fennelly

Data Recorded By (Signature): [signature]

Notes: groundwater level reported to be 1.2' bgs.

H&S Survey Meter N/A PPM
Pre-pump insertion WL _____ ft

Field Instrument Group A/B/C/D
Post - pump insertion WL _____ ft

Analytical Parameters Collected (check appropriate):
VOA X 3-40mL VOA vials w/HCl
SVOC _____ -One liter amber glass
Metals X 1-1Liter poly (HNO3 less than 2 pH)
Other _____
_____

Clock Time 24hr	Water Depth below MP ft	Vol. Purged (L)	Purge Rate ML/min	NOTES	Temp °C	Spec. Cond. 2 uS/cm	DO mg/L	pH	ORP/Eh3 Mv	Turbidity NTU	Comments
PURGE	START:	start 1125	40								
1145	NA		40		9.88	498	8.60	6.07	340.3	515	
1155			42		9.98	505	8.34	6.02	338.6	586	
1205			44		9.97	509	8.25	5.97	337.0	701	
1215			44		9.96	511	8.33	5.96	339.2	253	
1220			44		9.91	512	8.07	5.94	341.2	505	
1225			44		9.93	512	8.20	5.95	343.2	208	
1230			44		9.91	513	8.23	5.94	347.4	65	
1235			44		9.90	513	8.40	5.92	350.9	38	
1240			44		9.90	513	8.44	5.93	352.9	84	
1245			44		9.90	513	8.46	5.93	355.1	39	
1250			44		9.89	513	8.39	5.93	355.6	37	
1255			44		9.83	514	8.45	5.92	358.9	36	

1
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

3 3 10 0.1 10 10
mv.

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW-FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW- CA04 - 0007 - 011402

Tetra Tech NUS Job No./PMS 4123-0324
QC: _____ (If applicable)

Sample Method/Pump Type: Peristaltic Pump w/ teflon tubing
Depth of Pump Insertion from MP: 4.0 Feet (~ bgs)
Sample Date & Time: 1/14/2002 1415 hours _____/Dup
Sampler(s): Kevin O'Neill
Data Recorded By (Signature): Kevin O'Neill
Notes: Location is ~ 20' from wetland MP = Top of PVC PVC = 0.4ft above Ground Surface

H&S Survey Meter 0 PPM
Pre-pump insertion WL 2.02 ft
Field Instrument Group A/B/C/D
Post - pump insertion WL 2.02 ft

Analytical Parameters Collected (check appropriate):
VOA 3 3-40mL VOA vials w/HCl
SVOC _____ -One liter amber glass
Metals 1 1-1Liter poly (HNO3 less than 2 pH)
Other _____

Clock Time 24hr	Water Depth below MP ft		Purge Rate ML/min	NOTES	Temp °C	Spec. Cond. 2 uS/cm	DO mg/L	pH	ORP/Eh3 Mv	Turbidity NTU	Comments
PURGE	START:	1350 hrs	250	cloudy*						102.1	
1415	2.31		175		7.85	441	1.09	5.91	-154.8	41.7	
1425	2.31		175		7.81	427	1.29	5.85	-153.3	38.7	
1430					7.79	422	1.16	5.84	-153.4	36.6	
1435					7.52	418	0.98	5.84	-155.2	29.0	
1440					7.60	408	1.02	5.84	-155.0	30.7	
1445					7.69	408	1.03	5.84	-154.6	27.0	
1450	2.31		175	sun going	7.36	406	1.04	5.85	-153.8	19.2	
1455	2.31		175	down	7.31	405	1.00	5.86	152.3	17.3	
1600					7.16	405	0.94	5.86	150.9	16.0	15.01/14/02
1605	2.31		175		7.05	405	0.91	5.87	149.4	15.0	
1610	2.31		175		7.04	405	0.88	5.87	149.1	14.8	
1415	SAMPLED										

1
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

* running w/o YSI until clears somewhat so not to silt up flow cell

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CA04-0017-011402

Tetra Tech NUS Job No./PMS N4123-0324
QC: _____ (If applicable)

Sample Method: Waterra w/ Direct push
Depth Sampled: 17 Feet Screened Interval Depth NA feet
Sample Date & Time: 1 / 14 / 02 1050 hours _____ /Dup
Sampler(s): Brian Fennelly
Data Recorded By: B. Fennelly Signature: Brian Fennelly
Notes: gw reported to be at 1.9'.

H&S Survey Meter _____ PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL NA ft Post - pump insertion WL _____ ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged ~~gallons~~ (L)	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
Start	purge at 0945										
0955	NA	NA	60		6.37	217	6.12	247.3	3.58	54.5	
1010			55		7.41	234	5.78	237.4	2.40	318	
1020 1015			55		7.99	235	5.80	230.2	2.53	8.47	
1020			55		8.12	235	5.78	~~235~~ 229.2	2.56	1.84	
1025			55		8.35	235	5.76	~~1/14/02~~ 222.7	2.56	1.12	
1030			55		8.74	235	5.77	220.1	2.40	0.90	
1035			55		9.07	234	5.75	218.5	2.43	0.88	
1040			55		8.97	234	5.77	218.8	2.34	0.77	
1045			55		8.96	234	5.74	216.7	2.41	0.62	
	↓	↓									

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CA04-0025-011402

Tetra Tech NUS Job No./PMS N4123-0324
QC: IPGW-DP02-011402 (If applicable) (Duplicate sample collected)

Sample Method: water loo w/ direct push
Depth Sampled: 25 Feet Screened Interval/Depth _____ feet
Sample Date & Time: 1/14/02 1305 hours 1305 /Dup
Sampler(s): B. Fennelly; J. Lambert
Data Recorded By: B. Fennelly Signature: [signature]
Notes: water level reported to be 1.9' bgs.

H&S Survey Meter N/A PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL 1.96 ft Post - pump insertion WL N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
Start purge at		1155									
1205	NA	NA	50		8.82	292	6.10	26.4	5.09	2.09	
1210			50		8.78	303	6.04	26.1	5.28	4.73	
1215			50		8.42	320	6.21	27.5	5.54	1.97	
1220			50		8.03	328	6.36	12.5	4.98	1.13	
1225			50		7.93	331	6.18	13.9	5.10	0.77	
1230			50		7.82	332	6.00	17.4	5.12	0.81	
1235			50		7.82	332	6.10	24.4	5.62	0.59	
1240			50		7.87	332	6.12	27.4	5.45	1.42	
1245			50		7.80	333	6.15	29.8	5.35	0.78	
1250			50		7.63	333	6.15	31.1	5.34	0.69	
1255			50		7.54	333	6.16	30.3	5.28	0.60	
1300			50		7.49	333	6.16	31.2	5.41	0.69	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-~~CA05~~ CA05 1-10-02 KO -0007-011002

Tetra Tech NUS Job No./PMS N4123-0324
QC: IPGW - DP01 - 011002 (If applicable) DUPLICATE Collected

Sample Method: peristaltic pump (Shallow)
Depth Sampled: 7. Feet bgs Screened Interval Depth 3.5-13.5 feet bgs
Sample Date & Time: 1/10/02 1005 hours 1010 /Dup
Sampler(s): Kevin O'Neill J. Lambert
Data Recorded By: Kevin O'Neill Signature: Kevin O'Neill
Notes: MP = Top of PVC PVC = 3.30 ft above ground surface
~~* unable to fit water level meter in narrow riser~~
Completed sample at 1015 KO 1/10/02

H&S Survey Meter _____ PPM
Pre-pump insertion WL _____ ft
Field Instrument Group A/B/C/D
Post - pump insertion WL _____ ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
		VOCs			
		Metals			

Clock Time 24hr	Water Depth below MP ft *	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
0845	7.09		380								
0904	7.26		380							17.0	
0930	7.32		400		9.25	398	6.52	-131.3	3.06	3.31	*
0935	7.31		400		9.23	405	5.98	-143.1	3.00	1.55	
0940	7.32		400		9.22	414	5.89	-150.4	2.99	1.04	
0945	7.31		400		9.21	414	5.87	-155.6	2.99	1.48	
0950	7.31		400		9.25	414	5.86	-157.2	3.03	1.10	
0955	7.31		400		9.26	4.17	5.86	-157.3	3.02	1.07	
Ø1000	7.31		400		9.24	418	5.86	-158.3	3.05	1.03	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

* YSI not working - changed YSI

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX Intermediate
Sample ID: IPGW-CA05-0015-011002 1/10/02

Tetra Tech NUS Job No./PMS N4123-0324
QC: (If applicable) IPGW-CA05-0015-011002

Sample Method: Peristaltic pump w/ s/s + silicone tubing
Depth Sampled: 14.5 Feet Screened Interval Depth ____ feet
Sample Date & Time: 1/10/02 1120 hours ____/Dup
Sampler(s):

Data Recorded By: Kevin O'Neill Signature:
Notes: Completed sampling at 1155

H&S Survey Meter ____ PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL ____ ft Post - pump insertion WL ____ ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
VOA	3 1291020				
met	C1218030				

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	1 Temp °C	2 Spec. Cond. 2 uS/cm	3 pH	6 ORP/Eh3 mv	4 DO mg/L	Turbidity NTU	Comments
0910	14.5'	YSI	replaced w/ new		wait						
1024		N/A	35-40		13.37	800	6.34	-110.5	9.21	135	
1034					13.37	800	5.97	82.4	9.21	39	
1052			35-40		15.00	799	5.97	98.2	7.89	13	
1101					15.03	799	5.99	99.1	7.87	5.8	
1106					15.03	799	5.99	99.1	7.87	4.5	KO 1-10-02
1111					15.03	799	5.99	99.1	7.87	4.1	
1118			35-40		15.03	799	5.99	99.1	7.87	3.8	
1120	Started Sampling										

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: ~~CA05~~ 1-10-02 FD
IP(GW)-~~CA05~~-0030-011002

Tetra Tech NUS Job No./PMS N4123-0324
QC: _____ (If applicable)

Sample Method: peristaltic pump S/S+silicone tubing
Depth Sampled: 29.8 Feet Screened Interval Depth _____ feet
Sample Date & Time: 1/10/02 1350 hours _____ /Dup
Sampler(s): Kevin O'Neill
Data Recorded By: _____ Signature: _____
Notes:

Start purge at 1220 Ended at 1430

H&S Survey Meter _____ PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL _____ ft Post - pump insertion WL _____ ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
1222	Started purging				~~14.60~~	~~821~~	~~6.34~~	~~116.6~~	~~8.35~~	~~612~~	1/10/02
1240	29.8				14.60	821	6.34	116.6	8.35	612	
1254	↓		~28		14.37	835	6.39	106.5	8.37	117	
1304					14.37	835	6.39	106.5	8.37	~~206.5~~ 10.9	1-10-02
1312					14.37	835	6.39	106.5	8.37	39.8	
1322					14.37	835	6.39	106.5	8.37	24.2	
1327					14.37	835	6.39	106.5	8.37	17.9	
1335					1437	835	6.39	106.5	8.37	12.9	
1341					14.37	835	6.39	106.5	8.37	11.4	
1348					14.39	834	6.38	106.7	8.37	10.2	
					14.37	835	6.38	106.5	8.37	10.1	
1350	Sample collection start										
1430	Sampling completed										

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: Industri-Plex
Sample ID: IPGW-CA06-0007-011402

Tetra Tech NUS Job No./PMS N4123-0324
QC: N/A (If applicable)

Sample Method: Low Flow
Depth Sampled: 16.5 Feet ~~BLS~~ Screened Interval Depth 1-7.0 feet ~~BLS~~
Sample Date & Time: 1/14/02 1630 hours N/A /Dup
Sampler(s): J. Lambert
Data Recorded By: J. Lambert Signature: J. Lambert
Notes: well stickup is 0.4 ft; water levels measured from top of casing -end sampling at 1640 bgs = below Ground surface

H&S Survey Meter N/A PPM ✓ Field Instrument Group A (B) C/D ✓
Pre-pump insertion WL 1.42 ft Post - pump insertion WL N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged ~~litere~~ gals.	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
~~1315~~ 1510	1.42	Begin	purge								
1520	1.46				5.89	882	6.19	-48.0	1.19	241	
1525	1.46		180		5.86	753	5.92	-73.9	0.89	138	
1530	1.46		180		5.89	723	5.70	-114.8	0.82	56.9	
1535	1.47		175		5.94	709	5.62	-147.2	0.67	30.8	
1540	1.47		176		5.97	702	5.58	-174.3	0.59	19.6	
1545	1.47		175		6.02	696	5.56	-211.8	0.52	13.5	
1550	1.47		180		6.03	694	5.55	-252.9	0.48	8.98	
1555	1.47		180		6.03	691	5.56	-281.6	0.45	7.58	
1600	1.47		200		6.05	690	5.55	-289.1	0.43	1.03	
1605	1.47		190		6.05	688	5.54	-287.2	0.41	5.63	
1610	1.46		200		6.04	687	5.54	-283.8	0.41	3.94	
~~1615~~ 1615	1.46		190		6.07	688	5.54	-277.5	0.42	2.90	
1620	1.47		186		6.08	687	5.54	-268.5	0.43	3.09	
1625	1.47				6.07	687	5.54	-278.2	0.42	2.83	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CA06-0013-011402

Tetra Tech NUS Job No./PMS N4123-0324
QC: _____ (If applicable)

Sample Method: Waterloo w/ direct push
Depth Sampled: 12.8 Feet Screened Interval Depth NA feet
Sample Date & Time: 1 / 14 / 02 1450 hours _____ /Dup
Sampler(s): B. Fennelly
Data Recorded By: B. Fennelly Signature: [signature]
Notes: gw level reported to be 3.0' bgs.

H&S Survey Meter _____ PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL NA ft Post - pump insertion WL NA ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
start purge at		1350									
1400	NA	NA	50		7.03	760	5.76	197.9	5.00	4.68	
1410			50		6.99	1116	5.70	215.3	2.83	2.78	
1415			50		7.10	1173	5.63	226.5	2.69	3.62	
1420			50		7.23	1201	5.65	231.8	2.37	1.42	
1425			50		7.57	1213	5.62	229.7	2.96	2.06	
1430			50		7.68	1214	5.63	225.8	3.73	1.02	
1435			50		7.69	1217	5.66	219.5	4.74	0.97	
1440			50		7.72	1217	5.65	218.2	4.72	0.93	
1445			50		7.65	1217	5.63	216.5	4.69	0.88	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IRGW-CA06-0023-011402

Tetra Tech NUS Job No./PMS N4123-0324
QC: NA (If applicable)

Sample Method: Waterloo w/ direct push
Depth Sampled: 23.3 Feet Screened Interval Depth _____ feet
Sample Date & Time: 1/14/02 1630 hours _____/Dup
Sampler(s): B. Fennelly
Data Recorded By: B. Fennelly Signature: [signature]
Notes: gw level reported to be 3.0' bgs.

H&S Survey Meter _____ PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL NA ft Post - pump insertion WL NA ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
start	purge at	1520									
1525	NA	NA	40		6.75	1049	5.78	210.5	2.87	513	
1535			40		6.89	1133	5.77	204.3	2.54	478	
1545			40		6.81	1173	5.77	199.0	2.31	18.7	
1550			40		6.73	1195	5.78	191.3	2.30	12.09	
1555			40		6.81	1207	5.80	185.9	4.10	6.34	
1600			40		6.81	1208	5.81	185.6	4.18	5.65	
1605			40		6.80	1212	5.82	184.6	3.24	5.54	
1610			40		6.84	1211	5.81	181.5	3.09	4.60	
1615			40		6.84	1214	5.81	177.1	2.63	4.71	
1620			40		6.82	1215	5.80	171.1	2.34	4.52	
1625			40		6.80	1217	5.78	165.4	2.14	4.45	
1630			40		6.83	1216	5.79	162.5	2.15	4.37	
	↓	↓									

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CA07-0007-011602

Tetra Tech NUS Job No./PMS N4123-0324
QC: IPGW-DP03-011602 (If applicable)

Sample Method: low-flow
Depth Sampled: 7.0 Feet bgs Screened Interval Depth _____ feet bgs
Sample Date & Time: 1/16/02 1115 hours ~~1125~~ Dup 1125
Sampler(s): J. Lambert
Data Recorded By: J Lambert Signature: J Lambert
Notes: bgs = below Ground Surface
MP = Top OF PVC PVC = 0.12' below Ground Surface

H&S Survey Meter NA PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL 7.40 ft Post - pump insertion WL _____ ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
SVOCs	022010				
VOCs	BQ14H040				
TOTAL Metals	12180230				

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
0955	7.40		Begin purge								
1000	6.99		240		8.44	644	6.62	-106.4	3.38	68.7	
1005	7.03		190		8.71	614	6.42	-150.1	1.47	33.4	
1010	7.02		240		8.86	604	6.34	-151.8	1.04	9.18	*
1015	7.15		230		8.77	599	6.29	-146.4	1.64	8.54	
1020	7.10		240		8.69	596	6.25	-138.8	0.94	7.39	
1025	7.03		240		8.47	598	6.26	-138.3	0.92	26.3	*
1030	6.92		170		8.45	604	6.25	-137.3	0.91	8.33	
1035	6.93		180		8.37	603	6.26	-135.2	0.92	2.96	
1040	6.98		176		8.30	600	6.26	-133.5	0.88	1.36	
1045	6.98		170		8.35	598	6.27	-131.2	0.85	1.30	
1050	7.01		170		8.41	596	6.29	-129.0	0.80	1.28	
1055	7.03		170		8.52	595	6.28	-125.0	0.73	1.29	
1100	7.06		160		8.59	594	6.28	-121.3	0.68	1.42	
1105	7.02		170		8.56	589	6.27	-114.2	0.66	1.39	
1110	7.05		170		8.62	587	6.27	-112.6	0.66	1.34	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

* turned pump dial down

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CA68-0015 - 010802

Tetra Tech NUS Job No./PMS N4123-0324
QC: N/A (If applicable)

Sample Method: peristaltic pump / DPT-Water100 sampler
Depth Sampled: 15.5 Feet Screened Interval Depth N/A feet
Sample Date & Time: 1 / 8 / 02 1530 hours N/A /Dup
Sampler(s): B. Fennelly, J. Lambert
Data Recorded By: Brian Fennelly Signature: Brian Fennelly
Notes: water level = 12.9 ft, ~~used PID instrument~~ BF 1/8/02

BF 1/8/02 (B)
H&S Survey Meter 0.0 PPM Field Instrument Group ~~A/B/C/D~~ B
Pre-pump insertion WL N/A ft Post - pump insertion WL N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
metals	1218030				
VOAs	1291020				

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
1345	NA	Begin	purge								
1400		NA	40 ml/min		10.22	1225	6.71	236.0	9.82		
1405			40		10.64	1626	6.77	229.5	9.58	698	
1410			35		10.87	2094	6.69	222.6	9.23	623	
1415			30		10.83	2191	6.67	215.6	9.02	523	turned up pump dial
1420			24		10.94	2300	6.66	204.4	8.87	238	
1425			25		11.04	2340	6.66	201.0	8.78	193	
1430			26		11.04	2402	6.65	193.0	8.76	159	
1435			27		11.14	2442	6.65	188.3	8.69	147	
1440			24		11.28	2489	6.63	183.4	8.64	123	
1445			25		11.43	2507	6.65	182.4	8.56	106	
1450			20		11.61	2535	6.64	180.7	8.50	95.7	
1455			20		11.67	2555	6.63	179.9	8.53	85.0	
1500			23		11.60	2570	6.64	178.5	8.63	79.3	
1505			24		11.67	2583	6.62	177.8	8.62	69.1	
1510	↓	↓	27		11.90	2593	6.63	177.3	8.64	63.1	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

NA = Not Applicable

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX

Sample ID: IPGW-CA06-0015-010802

Tetra Tech NUS Job No./PMS N4123-0324

QC: N/A (If applicable)

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged liters ~~gal~~	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
1515	NA	NA	27		11.93	2604	6.63	176.9	8.73	58.1	
1520	↓	↓	27	1 gal	11.77	2608	6.62	177.2	8.79	63.0	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: SPGW-CA09-0012-011002

Tetra Tech NUS Job No./PMS N4123-0324
QC: N/A Matrix spike collected. (If applicable) BF

Sample Method: low-flow 10-20 'bgs
Depth Sampled: ~~10~~ 12 Feet* Screened Interval Depth 12-27 feet
Sample Date & Time: 1/10/02 ~~1337~~ 1340 hours (BF 1.10.02) /Dup
Sampler(s): J. Lambert
Data Recorded By: J. Lambert Signature: J. Lambert
Notes: * water depths are taken from TOC ** = 3ft above ground surface. bgs = below ground surface

H&S Survey Meter N/A PPM
Pre-pump insertion WL 12.50 ft
Field Instrument Group A/B/C/D
Post - pump insertion WL N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
VOA	BA150895				
Metals	IZ18030				

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
~~1236~~											
~~1145~~	12.50		Begin	purge							
1235	12.50		~~250~~		11.37	524	6.4	-63.6	1.72	7.02	
1240	12.50		250		11.78	521	6.585	-66.1	1.55	1.40	
1250	12.49		200		11.16	522	6.58	-66.4	1.39	1.32	
1300	12.50		200		10.91	528	6.58	-67.3	1.36	2.80	
1310	12.50		200		10.82	527	6.60	-65.8	1.24	1.40	
1320	12.50		200		10.87	526	6.60	-67.2	1.23	1.10	
1325	12.50		200		10.79	528	6.61	-67.6	1.19	0.97	
1330	12.50		200		10.80	528	6.62	-68.1	1.20	0.93	
1335	12.50		200	5	10.78	527	6.62	-68.5	1.20	0.92	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

* TOC = top of casing

Tt NUS Form 0009

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CLA9-0016 -010902

Tetra Tech NUS Job No./PMS N4123-0324
QC: _____ (If applicable)

Sample Method: Peristaltic pump* / SS & silicone tubing
Depth Sampled: 16 Feet Screened Interval Depth N/A feet
Sample Date & Time: 1/9/02 1138 hours _____ /Dup
Sampler(s): Kevin O'Neill
Data Recorded By: Kevin O'Neill Signature:

Notes:
0905 ~~Start purge~~ discontinued 1/9/02
1015 Start purge @ 16'
1253 completed sampling

H&S Survey Meter _____ PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL N/A ft Post - pump insertion WL N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
VOA	BA180895 (3)				
Metals	Lotc 218030 (1)				

Clock Time 24hr	Water Depth below MP ft	KO ~~Pump Dial ¹~~	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. ² uS/cm	pH	ORP/Eh³ mv	DO mg/L	Turbidity NTU	Comments
1030	16'	NA initial	18	Not	11.44	703	6.12	-16.0	9.76	401	
1045	16'		18	recorded	11.66	797	6.04	4.4	9.42	43.8	
1052	↓				11.86	818	5.99	9.7	9.28	26.4	
1057					12.08	832	5.98	13.4	9.33	42.4	
1106					12.32	851	5.95	18.9	9.39	37.5	
1113					12.40	864	5.95	22.4	9.28	32.6	
1120					12.35	873	6.01	25.2	9.21	37.2	
1128					12.36	881	5.95	26.6	9.16	31.8	
1133			↓		12.50	881	5.96	28.7	9.26	32.2	
1137	16		18	↓	12.28	885	5.95	30.1	9.16	32.5	
1138	Sample collection start										

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

* Sample collected immediately after pump

CLICK TO RETURN TO APPENDIX 2

TETRA TECH NUS, INC.

SAMPLE LOG SHEET - "LOW FLOW" GROUNDWATER

Site Name: INDUSTRI-PLEX
Sample ID: IPGW-CA09-0029-0/10/02 011002

Tetra Tech NUS Job No./PMS N4123-0324
QC: N/A (If applicable)

Sample Method: low flow
Depth Sampled: 29 Feet Screened Interval Depth N/A feet
Sample Date & Time: 1/10/02 1105 hours N/A /Dup
Sampler(s): J. Lambert
Data Recorded By: J. Lambert Signature: J. Lambert
Notes: intermediate sample at 16 ft bgs / collected 1/9/02.

H&S Survey Meter N/A PPM Field Instrument Group A/B/C/D
Pre-pump insertion WL 9 ft Post - pump insertion WL N/A ft

Analysis	Bottle Lot#	Analysis	Bottle Lot #	Analysis	Bottle Lot #
VOA	BA180895				
metals	1218030				

Clock Time 24hr	Water Depth below MP ft	Pump Dial 1	Purge Rate ml/min	Cum. Volume Purged gallons	Temp °C	Spec. Cond. 2 uS/cm	pH	ORP/Eh3 mv	DO mg/L	Turbidity NTU	Comments
0715		Begin	purge								
0905			8		11.05	1854	6.27	-50.4	7.08	208	
0915			8		11.30	1817	6.24	-49.9	6.69	188	
0930			8		12.87	1882	6.22	-47.9	6.21	169	sun came out
0940			8		15.13	1982	6.19	-50.0	5.74	141	
0950			8		16.40	2047	6.15	-50.2	5.38	108	
1000			8		17.37	2098	6.15	-52.0	5.12	80.4	
1010			8		18.00	2126	6.13	-53.7	4.92	92.0	
1020			8		18.64	2182	6.14	-55.0	4.70	86.9	
1030			8		18.97	2202	6.12	-56.3	4.61	73.9	
1040			8		19.19	2214	6.12	-58.0	4.51	62.6	
1045			8		19.41	2235	6.12	-59.6	4.42	65.1	
1050			8		19.81	2255	6.10	-61.7	4.27	60.4	
1055			8		19.98	2267	6.11	-61.7	4.21	58.6	
1100			8	0.25	20.06	2276	6.10	-62.0	4.18	57.1	

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

Tt NUS Form 0009

+/- 3% 3% .1 10 10% 10%