GROUNDWATER SAMPLING LOG

PF056

WELL NO.: PZ-012C/PT-020C LOCATION: Alen I Rd PROJECT NO:

DATE: 5-01-01 TIME: 1335 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 10.19' (TOC) TOTAL DEPTH: 19.62' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	TEMP. ~~D.O.~~ °F	REDOX	TURBIDITY
1354	16 oz.	7.00	0.53	65.9		LOW
1357	24 oz.	7.05	0.51	64.1		LOW
1400	32 oz.	7.20	0.48	63.6		LOW

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE
COLOR: SLIGHTLY CLOUDY
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC- 8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ012GW03S01 / PF056

DECONTAMINATION PROCEDURES:

NOTES: Samples Taken @ 1408

SAMPLED BY: E. SARAD

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

PFØ57

GROUNDWATER SAMPLING LOG

WELL NO.: PZ-012 D/ PT-020 D LOCATION: Area I Rd PROJECT NO:

DATE: 5-07-01 TIME: 1420 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 10.69' (TOC) TOTAL DEPTH: 24.12' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	TEMP. ~~D.O.~~ °F	REDOX	TURBIDITY
1429	8 oz.	5.33	1.73	63.8		HIGH, GREYISH
1431	16 oz.	4.86	1.69	62.3		HIGH ↓
1433	24 oz.	5.28	1.78	61.9		HIGH ↓

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE
- COLOR: OLIVE GREY
- TURBIDITY: HIGH
- SEDIMENT:
- OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC- 8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S) PZØ12GWØ4SØ1 / ~~PFØ57~~ EMS 5/11/01 PFØ57

DECONTAMINATION PROCEDURES:

NOTES: 1513 - CANNOT GET A SAMPLE WITHOUT BUBBLE, MATERIAL HAS LOW SURFACE TENSION AND DOES NOT BEAD WHEN FILLING VIALS TO THE BRIM.
1650 - USED NEW LINE AND VALVE SET-UP. PURGE 4 oz. , SAMPLES TAKEN @ 1705

SAMPLED BY: E. SARNO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF058

WELL NO.: PZ-012 E PT-020 E LOCATION: Area I Rd PROJECT NO:

DATE: 5-01-01 TIME: 1518 CLIMATIC CONDITIONS: 70°F SUNNY

STATIC WATER LEVEL: 10.35' (TOC) TOTAL DEPTH: 29.42' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	TEMP. ~~D.O.~~ °F	REDOX	TURBIDITY
1527	8 oz.	6.43	0.54	63.4		HIGH. OLIVE GREY
1529	16 oz.	6.14	0.57	62.2		HIGH
1531	24 oz.	6.14	0.58	62.0		HIGH

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR: OLIVE GREY

TURBIDITY: HIGH

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 w/HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ012GW05S01 / PF058

DECONTAMINATION PROCEDURES:

NOTES: Samples taken @ 1545

SAMPLED BY: E. SKRAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF059

VELL NO.: PZ-012F/PT-020F LOCATION: Area I Rd PROJECT NO:

ATE: 5-01-01 TIME: 1558 CLIMATIC CONDITIONS: 70°F SUNNY

TATIC WATER LEVEL: 11.77' (TOC) TOTAL DEPTH: 37.57' (TOC)

VELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.
X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

VELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	TEMP. ~~D.O.~~ °F	REDOX	TURBIDITY
1611	6 oz.	6.61	0.74	63.9		HIGH
1613	12 oz.	6.54	0.64	63.8		HIGH
1616	18 oz.	6.45	0.69	63.6		HIGH

AMPLE WITHDRAWAL METHOD: INERTIAL LIFT

PPEARANCE OF SAMPLE COLOR: OLIVE GREY

TURBIDITY: HIGH

SEDIMENT:

OTHER:

ABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 w/ HCl

UMBER AND TYPES OF SAMPLE CONTAINERS USED: 3X 40-ml VIALS

AMPLE IDENTIFICATION NUMBER(S): PZ012GW06S01 / PF059

ECONTAMINATION PROCEDURES:

OTES: Sample Taken @ 1625

AMPLED BY: E. SARAO

AMPLES DELIVERED TO: TRANSPORTERS:

ATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF04Ø

WELL NO.: PZ-013C/ PTØ77C LOCATION: CampA PROJECT NO: _____

DATE: 4/26/01 TIME: Ø730 CLIMATIC CONDITIONS: 70° Sunny

STATIC WATER LEVEL: 16.30 (toc) TOTAL DEPTH: 26.82 toc

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X _____

LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE: _____

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND. µsiem	~~D.O.~~ OF	REDOX	TURBIDITY
4/26/01 0745	2	7.00	2.74(x1000)	60.5		cloudy
0747	DTW=18.00					
0750	Sample Collected					
	only enough Sample for 2 VOAs					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE
COLOR Cloudy
TURBIDITY Lov
SEDIMENT
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 2 40ml VOAs

SAMPLE IDENTIFICATION NUMBER(S) PZ-Ø13GW03SØ1

DECONTAMINATION PROCEDURES:

NOTES: not enough Liquid for 3 VOAs - well dry after 2 VOAs & 2 oz purge

SAMPLED BY: E. Cattlett

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF041

WELL NO.: PZ-013 D/ PT77d LOCATION: Camp A PROJECT NO:

DATE: 4/26/01 TIME: 0810 CLIMATIC CONDITIONS: 70+ Sunny

STATIC WATER LEVEL: 16.65 TOTAL DEPTH: 26.81

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND. µS/cm	~~D.O.~~ OF	REDOX	TURBIDITY
4/26/01						
0814	2	7.66	1.55(x1000)	61.6		Clear
0816	4	7.35	1.48(x1000)	63.3		Clear
0818	6	7.30	1.52(x1000)	64.4		Clear
0820	8	7.35	1.48(x1000)	64.9		Clear
0822	Sample Collected					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE
COLOR Clear
TURBIDITY Low
SEDIMENT —
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 / HCL

NUMBER AND TYPES OF SAMPLE CONTAINERS USED:

SAMPLE IDENTIFICATION NUMBER(S) PZ013GW045001
DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: E. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF042

WELL NO.: PZ-013E/PT77e LOCATION: Comp A PROJECT NO:

DATE: 4/26/01 TIME: 0845 CLIMATIC CONDITIONS: Sunny 75+

STATIC WATER LEVEL: 18.65 (toc) TOTAL DEPTH: 39.70

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND. µS/cm	~~D.O.~~ OF	REDOX	TURBIDITY
4/26/01	0847	8	7.31	1.68(X1000)	62.9		cloudy
	0852	16	7.36	1.63(X1000)	65.3		Clear
	0854	24	7.72	1.82(X1000)	65.2		Clear
	0856	28	7.46	1.86(X1000)	66.1		Clear
	0858	32	7.53	1.82(X1000)	66.2		Clear
	0900	36	7.46	1.88(X1000)	66.4		Clear
	0905	Sample collected					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR: Clear

TURBIDITY: Low

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 40ml VOAs

SAMPLE IDENTIFICATION NUMBER(S): PZ013GW05501

DECONTAMINATION PROCEDURES:

NOTES: Clear - Low turbidity

SAMPLED BY: E. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF043

WELL NO.: PZ-013F PT77F LOCATION: Comp A PROJECT NO:

DATE: 4/26/01 TIME: 0925 CLIMATIC CONDITIONS: Sunny 75+

STATIC WATER LEVEL: 18.85(toc) TOTAL DEPTH: 53.49(toc)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND. MS/cm	~~D.O.~~ of	REDOX	TURBIDITY
4/26/01	0935	8	6.80	3.59(X1000)	72.8		High - drk. Gray
	0938	16	6.79	3.62(X1000)	72.9		"
	0942	24	6.80	3.63(X1000)	72.8		"
	0950	Sample Collection					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE
COLOR * Dark Gray
TURBIDITY High
SEDIMENT
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 HCL

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 40mL Vials

SAMPLE IDENTIFICATION NUMBER(S) PZ013GW065S01
DECONTAMINATION PROCEDURES:

NOTES: Very "Foamy" - extremely difficult getting zero head-space

SAMPLED BY: C. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF044

WELL NO.: PZ-014C/ PT081C LOCATION: Comp A PROJECT NO:

DATE: 4/26/01 TIME: 1325 CLIMATIC CONDITIONS: Sunny 80's

STATIC WATER LEVEL: 15.00 TOTAL DEPTH: 19.84

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND.	~~D.O.~~ OF	REDOX	TURBIDITY
4/26/01	~~4/26~~ 1330	2	7.01	1.02 (x1000)	74.0		Clear
	1333	4	7.37	8.98 (x100)	72.8		Clear
	1335	6	7.41	8.75 (x100)	72.1		Clear
	1337	8	7.45	8.69 (x100)	71.1		Clear
	1338	9	7.45	8.68 (x100)	71.4		Clear
	1340	Sample Collected					

SAMPLE WITHDRAWAL METHOD: Inertial Lift

APPEARANCE OF SAMPLE
COLOR: Clear
TURBIDITY: Low
SEDIMENT: —
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 / HCL

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 40ml VOAs

SAMPLE IDENTIFICATION NUMBER(S): PZ0146W035Q1

DECONTAMINATION PROCEDURES:

NOTES: Clear

SAMPLED BY: E. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF045

WELL NO.: PZ-014D PT081d LOCATION: Comp A PROJECT NO:

DATE: 4/26/01 TIME: 1400 CLIMATIC CONDITIONS: 80+ Sunny

STATIC WATER LEVEL: 15.00 TOTAL DEPTH: 29.33

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND. µS/cm	D.O. of	REDOX	TURBIDITY
4/26/01	1402	4	7.95	2.52(X1000)	74.6		Clear
	1404	8	7.71	2.16(X1000)	72.3		Clear
	1405	12	7.44	2.14(X1000)	71.3		Clear
	1406	14	7.44	2.15(X1000)	70.5		Clear
	1408	16	7.40	2.09(X1000)	70.2		Clear
	1410	Sample Collected					

SAMPLE WITHDRAWAL METHOD: Inertial Lift

APPEARANCE OF SAMPLE
COLOR: Clear
TURBIDITY: Low
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260/HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 40ml VOAs

SAMPLE IDENTIFICATION NUMBER(S): PZ0146W0450l

DECONTAMINATION PROCEDURES:

NOTES: Clear

SAMPLED BY: C. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF ϕ46

WELL NO.: PZ-014E/ PTϕ81e LOCATION: Comp A PROJECT NO:

DATE: 4/26/01 TIME: 1430 CLIMATIC CONDITIONS: 80+ Sunny

STATIC WATER LEVEL: 15.15 TOTAL DEPTH: 38.83

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND. µS/cm	~~D.O.~~ OF	REDOX	TURBIDITY
4/26/01	1442	8	7.56	1.87(X1000)	74.5		Clear
	1444	16	7.38	1.81(X1000)	72.1		Clear
	1446	24	7.41	1.82(X1000)	71.4		Clear
	1448	32	7.42	1.81(X1000)	71.3		Clear
	1450	SAmple Collected					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR Clear

TURBIDITY Low

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260/HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 40ml VOAs

SAMPLE IDENTIFICATION NUMBER(S) PZϕ14 GWϕ55ϕ1

DECONTAMINATION PROCEDURES:

NOTES: Clear - Low turbidity

SAMPLED BY: T. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF Ø27

WELL NO.: PZ-015B / PT-084B LOCATION: STL-II PROJECT NO:

DATE: 4-26-01 TIME: 0715 CLIMATIC CONDITIONS: 65°F SUNNY

STATIC WATER LEVEL: 9.73' (TOC) TOTAL DEPTH: 16.69' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	TEMP ~~D.O.~~ °F	REDOX	TURBIDITY
0734	16 oz.	6.94	0.80	55.0		LOW/SLIGHTLY CLOUDY
0736	24 oz	7.24	0.83	56.0		LOW
0739	32 oz	7.26	0.83	56.8		LOW / CLEAR

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC - 8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 X 40-ml VIALS (GLASS

SAMPLE IDENTIFICATION NUMBER(S): PZØ15GWØ2SØ1 / PFØ27

DECONTAMINATION PROCEDURES:

NOTES: SAMPLES TAKEN @ 0743

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF028

WELL NO.: PZ-015C / PT-084C LOCATION: STL-IV PROJECT NO:

DATE: 4-26-01 TIME: 0804 CLIMATIC CONDITIONS: 65°F SUNNY

STATIC WATER LEVEL: 9.13' TOTAL DEPTH: 27.23' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	~~D.O.~~ TEMP. °F	REDOX	TURBIDITY
0812	16 oz.	7.31	0.97	57.1		LOW
0814	24 oz.	7.36	0.93	58.6		LOW
0817	32 oz.	7.32	0.96	59.3		LOW

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS (GLASS)

SAMPLE IDENTIFICATION NUMBER(S): PZ015GW03S01 / PF028

DECONTAMINATION PROCEDURES:

NOTES: SAMPLES TAKEN @ 0820

SAMPLED BY: E. SAPAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG PF Ø29

WELL NO.: PZ-015 D / PT-084D LOCATION: STL-IV PROJECT NO:

DATE: 4-26-01 TIME: 0840 CLIMATIC CONDITIONS: 65 °F SUNNY

STATIC WATER LEVEL: 9.79' (TOC) TOTAL DEPTH: 35.75' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	~~D.O.~~ TEMP. °F	REDOX	TURBIDITY
0850	16 oz.	7.61	1.42	59.9		HIGH/CLOUDY
0853	24 oz	7.50	1.44	60.5		HIGH
0855	32 oz	7.54	1.44	60.6		~~HIGH~~ MOD
						EMS 4/26/01

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR: CLOUDY

TURBIDITY: EMS 4/26/01 ~~HIGH~~ MODERATE

SEDIMENT: BROWN FLOC

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC- 8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS (GLASS)

SAMPLE IDENTIFICATION NUMBER(S): PZØ15GWØ4SØ1 / PFØ29

DECONTAMINATION PROCEDURES:

NOTES: SAMPLES TAKEN @ 0900

SAMPLED BY: E. SAPAD

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG PF030

WELL NO.: PZ-015E / PT-084E LOCATION: STL-II PROJECT NO:

DATE: 4-26-01 TIME: 0926 CLIMATIC CONDITIONS: 70°F SUNNY

STATIC WATER LEVEL: 10.42' TOTAL DEPTH: 40.75' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	TEMP ~~D.O.~~ °F	REDOX	TURBIDITY
0932	8 oz.	7.43	1.85	60.9		MODERATE/CLOUDY
0934	12 oz.	7.62	1.88	61.1		MODERATE
0937	16 oz.	7.64	1.86	61.2		MODERATE

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR: CLOUDY

TURBIDITY: MODERATE

SEDIMENT: WHITE FLOC.

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3X 40-ml VIALS (GLASS)

SAMPLE IDENTIFICATION NUMBER(S): PZ015GW05S01 / PF030

DECONTAMINATION PROCEDURES:

NOTES: SAMPLES TAKEN @ 0942

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF031

WELL NO.: PZ-015F / PT-084F LOCATION: SJL-II PROJECT NO:

DATE: 4-26-01 TIME: 1001 CLIMATIC CONDITIONS: 70°F SUNNY

STATIC WATER LEVEL: 10.82' (TOC) TOTAL DEPTH: 46.23' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	TEMP. ~~D.O.~~ °F	REDOX	TURBIDITY
1008	8 oz.	7.38	1.14	62.1		HIGH/cloudy
1011	16 oz.	7.55	1.13	62.8		HIGH
1014	24 oz	7.59	1.14	63.2		HIGH

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR CLOUDY

TURBIDITY HIGH

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC- 8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIAL (GLASS)

SAMPLE IDENTIFICATION NUMBER(S) PZ015GW06S01 / PF031

DECONTAMINATION PROCEDURES:

NOTES: SAMPLES TAKEN @ 1024

SAMPLED BY: E. SKRAD

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

PF032

GROUNDWATER SAMPLING LOG

WELL NO.: PZ-015G / PT-084G LOCATION: STL-II PROJECT NO:

DATE: 4-26-01 TIME: 1040 CLIMATIC CONDITIONS: 70°F SUNNY

STATIC WATER LEVEL: 10.83 BWS 4/30/01 TOTAL DEPTH: 50.95' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.
X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	TEMP. ~~D.O.~~ °F	REDOX	TURBIDITY
1050	8 oz.	7.32	1.28	64.0		~~LOW~~ HIGH
1053	16 oz	7.55	1.25	64.1		HIGH
1056	24 oz	7.57	1.26	64.1		HIGH

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR: CLOUDY

TURBIDITY: HIGH

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIAL (GLASS)

SAMPLE IDENTIFICATION NUMBER(S): PZ015GW07S01 / PF032

DECONTAMINATION PROCEDURES:

NOTES: SAMPLE TAKEN @ 1108

SAMPLED BY: E. SAPAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF006

WELL NO.: PZ-016E PT-019E LOCATION: Canyon PROJECT NO:

DATE: 4-23-01 TIME: 12:55 CLIMATIC CONDITIONS: 80 °F SUNNY

STATIC WATER LEVEL: 38.01 '(TOC) TOTAL DEPTH: 47.14 '(TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	TEMP ~~D.O.~~ °F	REDOX	TURBIDITY
1303	16 oz.	6.77	2.02	66.0		HIGH, CLOUDY
1309	24 oz.	6.77	1.98	63.9		MODERATE, CLOUDY
1314	32 oz	6.78	1.88	63.4		MODERATE, CLOUDY

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE
COLOR CLOUDY
TURBIDITY MODERATE
SEDIMENT
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 (VOA) w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3X 40-ml GLASS VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ016GW05S01 / PF006

DECONTAMINATION PROCEDURES:

NOTES: ACTUAL SAMPLES TAKEN @ 1318

SAMPLED BY: EDMUND SAPAD

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

PF007

GROUNDWATER SAMPLING LOG

~~PZ-016F~~ PZ-016F

WELL NO.: PT-019F LOCATION: Canyon PROJECT NO:

DATE: 4-23-01 TIME: 1342 CLIMATIC CONDITIONS: 80°F SUNNY

STATIC WATER LEVEL: 37.28' (TOC) TOTAL DEPTH: 59.86' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	TEMP. ~~D.O.~~ °F	REDOX	TURBIDITY
1348	8 oz	6.40	1.71	65.0		MODERATE/ SLIGHTLY DARK
1353	16 oz	6.45	1.71	64.6		LOW - SLIGHTLY DAR
1357	24 oz	6.42	1.71	64.9		LOW - SLIGHTLY DARK

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR: SLIGHTLY CLOUDY

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOA (8260) w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 X 40-ml GLASS VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ016GW06S01 / PF007

DECONTAMINATION PROCEDURES:

NOTES: SAMPLES TAKEN @ 1402

SAMPLED BY: EDMUND SAPAU

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF008

WELL NO.: PZ016G/PT-09G LOCATION: Canyon PROJECT NO:

DATE: 4-23-01 TIME: 1427 CLIMATIC CONDITIONS: 80°F SUNNY

STATIC WATER LEVEL: 37.98' (TOC) TOTAL DEPTH: 66.81' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: INERTIAL LIFT PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND.	TEMP ~~D.O.~~ °F	REDOX	TURBIDITY
1435	8 oz	6.24	0.83	65.0		HIGH, BLACK SPECKS
1439	16 oz	6.63	1.04	63.5		MODERATE, BLACK SPECK
1443	24 oz	6.52	0.93	63.6		LOW, SLIGHTLY CLOUDY
1447	32 oz	6.60	0.91	63.3		LOW, SLIGHTLY CLOUDY

SAMPLE WITHDRAWAL METHOD: INERTIAL LIFT

APPEARANCE OF SAMPLE COLOR: SLIGHTLY CLOUDY

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOA (8260) w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 X 40-ml VIALS (GLASS)

SAMPLE IDENTIFICATION NUMBER(S): PZ016GW07S01 / PF008

DECONTAMINATION PROCEDURES:

NOTES: WATER WAS INITIALLY DARK w/ BLACK SPECKS, THEN CLEARED-UP AFTER 24 OZ, SAMPLES TAKEN @ 1447

SAMPLED BY: ED MUND SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

PF068

GROUNDWATER SAMPLING LOG

WELL NO.: PZ-017A / PT-100A LOCATION: COCA PROJECT NO:

DATE: 5-8-01 TIME: 1400 CLIMATIC CONDITIONS: 35°C SUNNY

STATIC WATER LEVEL: est 2.03' (TOC) TOTAL DEPTH:

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

TIP OF PUMP @ 12.0' (TOC)
FINAL DTW = @ 2.20'

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER) PUMPING RATE: APPROX. 60 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	TEMP. ~~D.O.~~ °C	D.O. REDOX	TURBIDITY
1437	1700 ml	7.0	0.84	32	0.5 mg/l	LOW
1447	2300 ml	7.0	0.84	32	0.6	LOW
1457	3100 ml	7.0	0.84	32	0.6	LO

SAMPLE WITHDRAWAL METHOD: MICRO PURGE w/ BLADDER PUMP

APPEARANCE OF SAMPLE
COLOR: CLEAR
TURBIDITY: LO
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC- 8260 w/ HCl ; TPH- 8015 w/ H_2SO_4

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 X 40-ml VIALS ; 1 X 1000-ml AMBER

SAMPLE IDENTIFICATION NUMBER(S): ~~PZ017AGW01S01~~ / PF068 ms
DECONTAMINATION PROCEDURES: PZ017GW01S01

NOTES: Sample taken 1505 . DTW AFTER SAMPLING = 2.20' (TOC)

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF070

WELL NO.: PZ-017B (PF070) PT100B PZ17B LOCATION: Boca PROJECT NO: PF070

DATE: 5/8/09 TIME: 1324 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 13.19 (TOC) → 13.41 TOTAL DEPTH: 31.00

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 20-30 bgs
stick up -.5
=20.5-30.5(TOC)
set pump @ 25 ft (TOC)

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 10-15 ml/min

WELL PURGE DATA:

DATE/ TIME	ml. [redacted] REMOVED	pH	SP. COND.	D.O.	[redacted] Degrees C	TURBIDITY
5/8/01 1432	500 ml	6.44	0.44	1.83	35.3	clear
1437	550 ml	6.44	0.45	2.01	35.3	clear
1442	600 ml	7.12	0.49	1.89	35.0	clear
1447	650 ml	7.20	0.51	2.01	35.1	clear
1452	700 ml	7.30	0.51	2.03	35.0	clear
1457	750 ml	7.39	0.53	1.69	34.7	clear
1503	start sampling					
1550	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE
COLOR: clear
TURBIDITY: clear
SEDIMENT: none
OTHER: —

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOA's w/HCl → test VOC's 8260B
1 Liter Amber w/H_2SO_4 → TPH (8015 Bm)

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 VOA's (40ml), 1 liter Amber

SAMPLE IDENTIFICATION NUMBER(S): PZ017B GW01S02

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF009

WELL NO.: PZ-018B/PT-073 LOCATION: EEL PROJECT NO:

DATE: 4/24/01 TIME: 1330 CLIMATIC CONDITIONS: 80° Sunny

STATIC WATER LEVEL: 9.21 TOTAL DEPTH: 14.05

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	~~GALLONS~~ oz REMOVED	pH	SP. COND. µS/cm	~~D.O.~~ Temp °F	~~REDOX~~	TURBIDITY
4/24/01	1340	2	6.97	2.80 (x1000)	75.0		High - Moderate, Light Gray
	1343	4	6.96	2.55 (x1000)	72.0		"
	1345	6	6.99	2.37 (x1000)	70.2		"
	1347	8	7.00	2.87 (x1000)	70.1		"
	1353	10	7.01	2.89 (x1000)	71.2	-Dry-	"
						DTW: 14.05	
4/25/01	1340	14	7.04	2.87 (x1000)	72.0	DTW: 9.35	"
	1350	Sample Collected					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR: 4 Gray

TURBIDITY: Moderate-High

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 HCL

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 40mL VOAs

SAMPLE IDENTIFICATION NUMBER(S): PZ018GW025001

DECONTAMINATION PROCEDURES:

NOTES: Purged dry - over 80% recharge when returned - Parameters w/in 10% - Collected Sample

SAMPLED BY: E. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PFØ22

WELL NO.: PZ-018D/PTO732 LOCATION: EEL PROJECT NO:

DATE: 4/25/01 TIME: 1520 CLIMATIC CONDITIONS: 90+ Sunny

STATIC WATER LEVEL: 9.81 TOTAL DEPTH: 22.37

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND. µS/cm	~~D.O.~~ OF	REDOX	TURBIDITY
4/25/01	1535	8	7.24	1.94(x1000)	79.1		High-Gray
	1540	16	7.27	1.84(x1000)	71.0		"
	1543	24	7.18	1.97(x1000)	70.9		"
	1546	32	7.17	1.90(x1000)	69.4	High-	Moderate-Gray
	1547	40	7.16	1.89(x1000)	70.0		High-Gray
	1550	Collected Sample					

SAMPLE WITHDRAWAL METHOD: Inertial Lift

APPEARANCE OF SAMPLE COLOR: Gray

TURBIDITY: High

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 HCL

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 40ml VOAs

SAMPLE IDENTIFICATION NUMBER(S): PZØ18GWØ45Ø1

DECONTAMINATION PROCEDURES:

NOTES: High turbidity- water appears to foam up during purging.

SAMPLED BY: C. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF023

WELL NO.: PZ-018E PT073E LOCATION: EEL PROJECT NO:

DATE: 4/25/01 TIME: 1615 CLIMATIC CONDITIONS: 90+ Sunny

STATIC WATER LEVEL: 10.78 TOTAL DEPTH: 27.11

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: Inertial Lift PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	~~GALLONS~~ OZ REMOVED	pH	SP. COND. µS/cm	~~D.O.~~ OF	REDOX	TURBIDITY
4/25/01	1625	8	7.49	9.57 (X100)	74.8		High-Gray
	1629	12	7.60	8.17 (X100)	71.7		"
	1633	16	7.59	9.93 (X100)	71.7		"
	1635	20	7.59	9.90 (X100)	70.9		"
	1637	24	7.56	9.91 (X100)	70.9		"
	1640	Sample Collected					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE
COLOR: Gray
TURBIDITY: High
SEDIMENT: fine: SILT
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260 / HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 40ml VOAS

SAMPLE IDENTIFICATION NUMBER(S): PZ018GW025501

DECONTAMINATION PROCEDURES:

NOTES: Very high turbidity

SAMPLED BY: E. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PFØ86

WELL NO.: PT41, PZ019 LOCATION: RD-9 PROJECT NO:

DATE: 5/16/01 TIME: 1200 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 25.41 (TOC) → end 25.74 TOTAL DEPTH: 31.5 bgs

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

19-29 screen
3.27 stick up
22.27 - 32.27 (TOC)
Set @ 29.00

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 60ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND.	D.O.	~~REDOX~~ Orp mV	TURBIDITY
5/16/01 1329	1200 ml	6.75	0.294	4.80	27.0	clear
1334	1500 ml	6.70	0.296	4.86	27.1	clear
1339	1800 ml	6.70	0.297	4.85	27.1	clear
1344	2100 ml	6.68	0.295	4.82	27.1	clear
1349	2400 ml	6.66	0.290	4.82	27.1	clear
1354	2700 ml	6.66	0.292	4.82	27.1	clear
1400	start sampling					
1451	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE
COLOR clear
TURBIDITY clear
SEDIMENT —
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC's - VOA w/HCl, SVOC - 1 liter Amber w/none

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 vials for VOC, 1 liter Amber for SVOC

SAMPLE IDENTIFICATION NUMBER(S): PZØ19 GWØ1SØ1

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF098

WELL NO.: PT43, PZ020 LOCATION: RD-9 PROJECT NO:

DATE: 5/22/01 TIME: 0740 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 24.96 → 25.02 TOTAL DEPTH: 31.5

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 19-29 VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

stickup 3.42 X

22.42 - 32.42 LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

set @ 29.00 METHOD OF REMOVAL: micropurge PUMPING RATE: 60ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/22/01 0812	700ml	6.42	.357	6.60	18.7°	clear
0815	880ml	6.41	.356	6.63	18.7°	clear
0818	1060ml	6.38	.358	6.70	18.9°	clear
0821	1240ml	6.33	.358	6.78	19.0°	clear
0824	1420ml	6.31	.358	6.80	19.2°	clear
0827	1600ml	6.34	.359	6.79	19.2°	clear
0830	start sampling					
0915	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT —

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl for VOC, 1 liter amber for SVOC, 1 liter amber w/ ~~H2SO4~~ H_2SO_4 for TPH, 1 liter plastic w/ HNO_3 for metals, 1 250ml plastic for TDS and 1 250ml w/ H_2SO_4 for Nitrate

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials (VOC), 1 liter amber (SVOC), 1 liter amber (TPH), 1 liter plastic (metals), 250ml plastic for TDS, 1 250ml plastic (Nitrate)

SAMPLE IDENTIFICATION NUMBER(S) PZ020GW01S01

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PFØ99

WELL NO.: PT36, PZØ21 LOCATION: Ø9 PROJECT NO:

DATE: 5/21/01 TIME: 1210 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 16.77 (TOC) → end 16.94 TOTAL DEPTH: 29.50

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen - 18.00-28.00
stick up 4.07
22.07-32.07
set @ 28.00

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 20 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/21/01 1240	400 ml	6.68	.522	3.13	31.5°	clear
1243	460	6.69	.527	3.22	31.3°	clear
1246	520	6.70	.532	3.26	31.2°	clear
1249	580	6.71	.550	3.15	31.2°	clear
1252	640	6.74	.575	2.75	31.2°	clear
1255	700	6.72	.578	2.73	31.2°	clear
1258	760	6.73	.578	2.70	31.1°	clear
1300	start sampling					
1440						

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE
COLOR clear
TURBIDITY clear
SEDIMENT —
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 6 vials w/ HCl for VOC's and 1,4 dioxane, 1 liter Amber for SVOC

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOCs, 3x1 vials for 1,4 dioxane sample, 3x1 vials for 1,4 dioxane split, 1x1 liter amber for SVOC

SAMPLE IDENTIFICATION NUMBER(S): PZØ21GWØ1SØ1, split is PCØ

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costello

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF100

WELL NO.: PT038, PZ022 LOCATION: RD-9 PROJECT NO:

DATE: 5/21/01 TIME: 0745 CLIMATIC CONDITIONS: overcast

STATIC WATER LEVEL: 23.08 (TOC) → end 23.41 TOTAL DEPTH: 29.50

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 19-29 (bgs) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

stickup 2.67

21.67 - 31.67 (TOC) LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

set @ 27.00 METHOD OF REMOVAL: microporge PUMPING RATE: 40 ml/min

WELL PURGE DATA:

DATE/ TIME	ml ~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/21/01 0909	600 ml	7.01	.594	6.22	16.7°	clear
0912	720 ml	7.02	.595	6.24	16.7°	clear
0915	840 ml	7.03	.643	5.89	16.8°	clear
0918	960 ml	7.02	.648	5.62	16.8°	clear
0921	1080 ml	7.04	.650	5.68	16.8°	clear
0924	1200 ml	7.03	.653	5.64	16.8°	clear
0926	start sampling					
1049	end sampling					

SAMPLE WITHDRAWAL METHOD: Microporge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT -

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC - Vial w/ HCl, SVOC - 1 L amber

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials (40 ml) for VOC, 1 liter amber for SVOC

SAMPLE IDENTIFICATION NUMBER(S) PZ022GW01S01

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Cobbles

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF097

WELL NO.: PZ-023 / PT-062 LOCATION: ECL PROJECT NO:

DATE: 5-22-01 TIME: 1315 CLIMATIC CONDITIONS: 90°F SUNNY

STATIC WATER LEVEL: 11.24' (TOC) TOTAL DEPTH: 19.43

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 8.5 - 18.5' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.
PUMP TIP @ 14.5' (TOC) X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE BLADDER PUMP PUMPING RATE: APPROX. 200 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/l	TEMP. ~~REDOX~~	TURBIDITY
1408	1000 ml	6.8	1.4	1.6	31°C	LOW
1418	1200 ml	6.8	1.4	1.7	31°C	LOW
1428	1400 ml	6.8	1.4	1.7	31°C	LOW
1438	1600 ml	6.8	1.4	1.7	31°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE BLADDER PUMP

APPEARANCE OF SAMPLE
COLOR: CLEAR
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/HCl; 1,4-DIOXANE w/HCl; SVOC-8270C

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 6 x 40-ml VIALS; 1 x 1-l AMBER

SAMPLE IDENTIFICATION NUMBER(S): PZ023GW01S01 / PF097
DECONTAMINATION PROCEDURES:

NOTES: Sample Taken @ 1443. DTW = 11.60 (TOC) AFTER SAMPLING @ 1535

SAMPLED BY: E. SAPAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF069

WELL NO.: PT63 / PZ-024 (PF069) LOCATION: ECL PROJECT NO:

DATE: 5/8/01 TIME: 0737 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 13.27 (TOC) → 13.40 TOTAL DEPTH: 25 bgs

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

well screen 14-24 bgs
16.5-26.5 (TOC)

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

Set pump @ 20.5

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 0.05 gal/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND.	D.O.	[redacted] Degrees C	TURBIDITY
5/8 0850	0.15	7.98	1.40	8.48	29.5°	clear
0953	0.30	7.98	1.39	8.49	29.6°	clear
0956	0.45	7.97	1.39	8.46	29.6°	clear
0959	0.60	7.97	1.39	8.46	29.6°	clear
1002	0.75	7.96	1.39	8.46	29.6°	clear
1005	0.90	7.97	1.39	8.46	29.6°	clear
↓ 1007	start sampling					
1157	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE
COLOR: clear
TURBIDITY: clear
SEDIMENT: none
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOA's preservative - HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 VOA's for VOC's, 3 VOA's for 1,4-dioxane
1 liter Ambers for SVOC's

SAMPLE IDENTIFICATION NUMBER(S): PZ0246W01501

DECONTAMINATION PROCEDURES:

NOTES: refill discharge
set @ A → F

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

PFD76

GROUNDWATER SAMPLING LOG

WELL NO.: PZ-025/ PT-0606 LOCATION: ECL PROJECT NO:

DATE: 5-9-01 TIME: 0800 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 12.62' TOC TOTAL DEPTH: 26.0 (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN 15.5 – 25.5 (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

PUMP @ 20.0, BUT RECHARGE TOO SLOW

0900 LOWERED PUMP TO NEAR BOTTOM ≈ 26.0 (TOC) X

PUMPED OUT ALL WATER LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY NTU
0920	1000 ml	7.6	1.8	2.6	27 °C	LOW 40
0930	1700 ml	7.6	1.8	1.4	27 °C	LOW 10
0940	2800 ml	7.6	1.8	1.7	26	LOW 40
0950	4200 ml	7.6	1.8	1.9	24	LOW 40
1000	6800	7.6	1.8	1.8	23	LOW 30
1010	9500	7.5	1.8	1.9	23	LOW 30
1050	~~6~~ 19 000 ml	7.6	1.8	1.7	23	LOW 40
1057	PURGED DRY DTW = 25.63' (TOC)					
5/10/01 1009	500 ml	7.4	1.7	1.9	26 °C	LOW

5-10-01 DTW = 19.49' (TOC) PUMP @ 23.0' (TOC) DTW AFTER = 19.82 @ 1025

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC - 8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZD25GW01S01 / PFD76

DECONTAMINATION PROCEDURES:

NOTES: Samples Taken on 5-10-01 @ 1014

SAMPLED BY: E. SKRAD

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF074
PF075
PC003

WELL NO.: PZ-026/PT-061 LOCATION: ECL PROJECT NO:

DATE: 5-9-01 TIME: 1435 CLIMATIC CONDITIONS: 90°F SUNNY

STATIC WATER LEVEL: 5.67 (TOC) TOTAL DEPTH: 27.42

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN 17.2' - 27.2' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.
TIP of PUMP @ 21.5' (TOC) X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE: APPROX. 80 ml/m

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1509	1000 ml	7.1	1.2	1.1	33°C	LOW (-)
1520	1900 ml	7.1	1.2	1.0	30	LOW (-)
1531	2800 ml	7.1	1.2	0.8	29	LOW (-)
1540	3600 ml	7.1	1.2	0.7	28	LOW (-)
1550	4500 ml	7.0	1.2	0.8	28	LOW (-)

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 w/ HCl ; 1,4-DIOXANE w/ HCl ; SVOC-8270

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 12 x 40-ml VIALS ; 3 x 1-l. AMBER

SAMPLE IDENTIFICATION NUMBER(S) PZ026GW01SD1 / PF074

~~DECONTAMINATION PROCEDURES:~~ PZ026GW01D01 / PF075 - DUPLICATE (VOC & SVOC)

PZ026GW01D01 / PC003 - QA SPLIT (VOC & SVOC)

NOTES: Sample taken @ 1600 ; DTW = 5.75 @ 1645

SAMPLED BY: E. SKRAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

PF067

GROUNDWATER SAMPLING LOG

WELL NO.: PZ-027/PT-064 LOCATION: ECL PROJECT NO:

DATE: 5-08-01 TIME: 0830 CLIMATIC CONDITIONS: 35°C SUNNY

STATIC WATER LEVEL: 12.29 TOTAL DEPTH:

WELL PURGING: LENGTH OF SATURATED ZONE: 10' LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: X GALS./LINEAR FT.

TIP OF PUMP = 18.7' (TOC)

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE PUMPING RATE: Approx. 225 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	TEMP. °C	D.O. mg/l	TURBIDITY
0940	1000 ml	7.10	1.3	35	3.0	LO
0950	250 ml.	7.00	1.3	35	2.6	LO
1000	250 ml	7.00	1.3	34	2.5	LO
1010	250 ml	7.00	1.3	34	2.4	LO

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LO

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 ; 1,4-DIOXANE

SVOC-8270

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 6 X 40-ml VIALS W/ HCl

1 X 1-l AMBER BOTTLE

SAMPLE IDENTIFICATION NUMBER(S): PZ027GW01501 / PF067

DECONTAMINATION PROCEDURES:

NOTES: Sample Taken @ 1015 DTW AFTER SAMPLING = 12.34' (TOC)

SAMPLED BY: E. SKRAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF115
PF116

WELL NO.: PZ-028/PT-067 LOCATION: ECL PROJECT NO:

DATE: 5-23-01 TIME: 1135 CLIMATIC CONDITIONS: 90ff SUNNY

STATIC WATER LEVEL: 31.45' (TOC) TOTAL DEPTH: 35.4

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 28'-38' (TOC)
Tip of pump @ 35' (TOC)

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.
X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE BLADDER PUMP PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1238	~ 800 ml	7.1	2.1	~~2.8~~	32°C	LOW
1248	~ 1000 ml	7.1	2.1	1.1	33°C	LOW
1258	~ 1200 ml	7.1	2.1	1.2	33°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE BLADDER PUMP

APPEARANCE OF SAMPLE
COLOR: CLEAR
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 9 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ028GW01S01

DECONTAMINATION PROCEDURES:
PZ028GW01D01 → DUPLICATE
PZ028GW01D01 → QA SPLIT

NOTES: Sample Taken @ 1305. Sample + DUPLICATE + QA SPLIT AFTER SAMPLING D.T.W. = 31.81 @ 13:
EACH VIAL WAS FILLED IN < 1.0 minute

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF1Ø4

WELL NO.: PT074, PZØ29 LOCATION: Comp A PROJECT NO: _____

DATE: 5/23/01 TIME: 0730 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 16.81 → end 19.95 TOTAL DEPTH: 31.00

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

Screen 19-29 VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X

stick 2.97

21.97-31.97 LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

Set @ 27.00 METHOD OF REMOVAL: micropurge PUMPING RATE: 40 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/23/01 0802	500 ml	7.55	.452	2.39	22.0°	clear
0805	620 ml	7.57	.451	2.43	21.9°	clear
0806	740 ml	7.53	.453	2.50	21.9°	clear
0810	start sampling					
0815	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT —

OTHER _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 3 vials w/ HCl for VOC

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 vials w/ HCl for VOC

SAMPLE IDENTIFICATION NUMBER(S) PZØ29GWØ15Ø1

DECONTAMINATION PROCEDURES: _____

NOTES: _____

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF106

WELL NO.: T07S, R30E 30 LOCATION: Comp A PROJECT NO:

DATE: 5/23/01 TIME: 0845 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 16.95 → 19.29 TOTAL DEPTH: 32.50

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 17-27
stick 2.91
19.91 - 29.91
pump @ 26.00

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 40ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/23/01 0900	600ml	7.21	.661	4.21	25.5°	clear
0903	720ml	7.25	.662	4.20	25.4°	clear
0906	840ml	7.26	.669	4.22	25.4°	clear
0908	start sampling					
0925	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE
COLOR clear
TURBIDITY clear
SEDIMENT —
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 3 vials w/HCl for VOC

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 vials w/HCl for VOC

SAMPLE IDENTIFICATION NUMBER(S): P30GW01S01

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF082

WELL NO.: PZ-031 / PT-076 LOCATION: COMP. A PROJECT NO:

DATE: 5-15-01 TIME: 1020 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 15.46' (TOC) TOTAL DEPTH: 25.99 (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 16.32' - 26.32' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

TIP of pump @ 20.40' (TOC)

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

DTW (ft)	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
DTW = 15.72' (TOC)	1145	1000 ml	7.4	1.6	3.7	21 °C	LOW
15.77	1200	1100 ml	7.4	1.7	3.7	21	LOW
15.82	1215	1250 ml	7.4	1.7	3.6	22 °C	LOW
15.87	1230	1400 ml	7.4	1.7	3.6	22	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 X 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ031GW015Q1 / PF082

DECONTAMINATION PROCEDURES:

NOTES: Sample Taken @ 1237 . DTW = 15.90 @ 1241

SAMPLED BY: E. SKRAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF095

WELL NO.: PZ-033 / PT-082 LOCATION: _____ PROJECT NO: _____

DATE: 5-21-01 TIME: 1435 CLIMATIC CONDITIONS: 80°F SUNNY

STATIC WATER LEVEL: 17.13' (TOC) TOTAL DEPTH: 24.02

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X

TOP of pump @ 21.0' (TOC) LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

METHOD OF REMOVAL: _____ PUMPING RATE: _____

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1540	1000 ml	7.2	1.7	2.8	27°C	LOW
1551	1200 ml	7.2	1.8	2.7	27°C	LOW
1601	1400 ml	7.2	1.8	2.5	27°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE: COLOR: CLEAR; TURBIDITY: LOW; SEDIMENT: ; OTHER: _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/ HCl; 1,4-DIOXANE

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 6 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ033GW01S01 / PF095

DECONTAMINATION PROCEDURES: _____

NOTES: Sampler taken @ 1608. DTW = 17.55' (TOC) @ 1615

SAMPLED BY: E. SAPAO

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF113

WELL NO.: PZ-0341 / PT-080 LOCATION: COMP. A PROJECT NO:

DATE: 5-24-01 TIME: 0750 CLIMATIC CONDITIONS: 70°F SUNNY

STATIC WATER LEVEL: 10.77' (TOC) TOTAL DEPTH: 15.05

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 8.2' - 15.2' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.
TIP of Pump @ 13' (TOC) X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/l	TEMP. ~~REDOX~~	TURBIDITY
0836	800 ml	6.9	0.83	2.4	18°C	Low
0842	1000 ml	6.9	0.84	1.8	18	Low
6847	1200 ml	7.0	0.84	1.3	18	Low
0853	1400 ml	7.0	0.80	1.4	18	Low
0858	1600 ml	7.0	0.83	1.3	19	Low

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR: CLEAR
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: ~~6~~ 6 x 40-ml VIAL

SAMPLE IDENTIFICATION NUMBER(S): PZ034GW01S01

DECONTAMINATION PROCEDURES: PZ034GW01D01 → QA SPLIT
* VIALS FILLED-UP IN < 1.0 min.

NOTES: Sample taken @ 0903, DTW AFTER SAMPLING = 10.79 @ 0912

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF094

PZ-036/

WELL NO.: PT-089 LOCATION: STL IV PROJECT NO:

DATE: 5-24-01 TIME: 1050 CLIMATIC CONDITIONS: 80'F SUNNY

STATIC WATER LEVEL: 10.80' (TOC) TOTAL DEPTH: 28.21

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 18.5' - 28.5' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

TIP of Pump @ 23.0' (TOC)

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1125	1200 ml	6.9	0.76	3.5	24°C	LOW
1135	1900 ml	7.0	0.77	3.4	24°C	LOW
1145	2900 ml	7.0	0.77	3.3	24°C	LOW
1155	3900 ml	7.0	0.77	3.2	24°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE
COLOR: CLEAR
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/HCl; SVOC-8270C

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS; 1 x 1-l AMBER

SAMPLE IDENTIFICATION NUMBER(S): PZ036GW01S01 / PF094

DECONTAMINATION PROCEDURES:

NOTES: Samples Taken @ 1203, DTW = 10.87' (TOC)

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF896

WELL NO.: PZ-037/PT-090 LOCATION: STL-IV PROJECT NO:

DATE: 5-22-01 TIME: 0755 CLIMATIC CONDITIONS: 70°F SUNNY

STATIC WATER LEVEL: 15.85' (TOC) TOTAL DEPTH: 28.0' (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 17.5' - 27.5' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

Pump Tip @ 22.0' (TOC) X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

DTW	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
16.20'	0850	750 ml	→ RECHARGE TOO SLOW				
	0908	8 GALLONS	→ PUMPED DRY BY J. DOUGHERTY, DTW = 27.4' (TOC)				
RE-START MICRO PURGING →	1005		TIP of Pump placed @ 26.8' (TOC)			DTW = 26.06' (TOC)	
	1026	1000 ml	7.2	0.76	5.6	23°C	MOD/LOW
	1031	1300 ml	7.2	0.77	5.5	23°C	MOD/LOW
	1036	1500 ml	7.3	0.77	5.8	23°C	MOD/LOW
	1041	1700 ml	7.3	0.77	5.8	23°C	MOD/LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/ HCl ; SVOC-8270C ; TPH-8015BM w/ H_2SO_4

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS ; 2 x 1-L AMBER

SAMPLE IDENTIFICATION NUMBER(S): PZ037GW0151501 / PF896

DECONTAMINATION PROCEDURES:

NOTES: Sample taken @ 1043. AFTER SAMPLING DTW = 26.35 (TOC) @ 1126

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF114

WELL NO.: PZ-038/ PT-085 LOCATION: COMP. A PROJECT NO:

DATE: 5-24-01 TIME: 0950 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 22.48 (TOC) @ 0950 TOTAL DEPTH: 30.22

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 20.3' - 30.3' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

pump tip @ 26

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
	0715	9.0 GALLONS → PURGED DRY BY CATHCART & DOUGHERTY					
MICRO PURGE →	1025	800 ml	7.3	1.3	5.2	22°C	LOW
	1029	1000 ml	7.3	1.3	4.7	22°C	LOW
	1033	1200 ml	7.3	1.3	5.3	23°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE
- COLOR: CLEAR
- TURBIDITY: LOW
- SEDIMENT:
- OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ038GW01S01

DECONTAMINATION PROCEDURES:

NOTES: Sample Taken @ 1035. VIALS filled up in < 1 min. DTW after sampling = 21.42 (TOC)

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF129

WELL NO.: PZ-039/DT-086 LOCATION: STL IV PROJECT NO:

DATE: 5-30-01 TIME: 0900 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 11.08 (TOC) TOTAL DEPTH: 31.55

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 21.4'-31.4' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

Pump @ 25.4' (TOC)

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
0929	1100 ml.	6.9	1.2	1.6	21°C	LOW
0934	1700 ml	6.9	1.2	1.3	20°C	LOW
0939	2300 ml	6.9	1.2	1.4	20°C	LOW
0944	2900 ml	6.9	1.2	1.4	20°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC - 8260B w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ039GW01S01

DECONTAMINATION PROCEDURES:

NOTES: Sample taken @ 0947. DTW after sampling = 11.31' (TOC) @ 0951

SAMPLED BY: E. SADAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF0084
PF0085

WELL NO.: PZ-041/ PT-105 LOCATION: PDU PROJECT NO:

DATE: 5/17/01 TIME: ~~0720~~ 0720 CLIMATIC CONDITIONS:

STATIC WATER LEVEL: ~~DRY~~ 11.78 → 13.12 TOTAL DEPTH: 29.60

WELL PURGING: LENGTH OF SATURATED ZONE: 10' LINEAR FEET

SCREEN: 19'-29' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

TIP of PUMP @ 23' (TOC) X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 40ml/min

WELL PURGE DATA:

DATE/ TIME	ml. ~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	D.O. mg/l	TEMP. ~~REDOX~~	TURBIDITY
5/16/01/1021	8-Purged Dry					
5/17/01 0807	400ml	7.29	.574	5.35	16.4°	clear
0812	~~400ml~~ 600ml	7.25	.580	5.85	16.4°	clear
0817	800ml	7.28	.584	5.69	16.5°	clear
0820	start sampling					
1050	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE

COLOR clear

TURBIDITY clear

SEDIMENT -

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl for VOC's, 1 liter amber for Hex Chrome, Plastic 1 liter bottles w/ HNO_3 for metals, 1 liter plastic w/ HNO_3 for Alpha

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOC, 3x1 plastic liter bottles for metals, 1 liter amber for Hex chrome, 1 liter plastic w/ HNO_3 for Alpha beta

SAMPLE IDENTIFICATION NUMBER(S): PZ041GW01S01 for samples, PZ041GW01D01 for metal dupe, RE005 for split

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

~~PF~~ PF128

WELL NO.: PT097, PZ043 LOCATION: Coca PROJECT NO: _____

DATE: 5/29/01 TIME: 0830 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 34.85 → 35.25 TOTAL DEPTH: 43.81

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

30-40 VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT.

3.15 X

33.15-43.15 LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

set @ 38.50 METHOD OF REMOVAL: microPurge PUMPING RATE: 30ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/29/01 0915	500ml	6.61	0.97	1.86	20.7°	clear
0918	590	6.61	0.97	1.85	20.7°	clear
0921	680	6.57	0.97	1.80	21.6°	clear
0924	770	6.55	0.96	1.79	21.0°	clear
0927	860	6.63	0.97	1.83	21.1°	clear
0930	950	6.65	0.96	1.82	21.1°	clear
0931	start sampling					

SAMPLE WITHDRAWAL METHOD: microPurge

APPEARANCE OF SAMPLE COLOR: clear

TURBIDITY: clear

SEDIMENT: —

OTHER: _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl for VOC, and 1,4-dioxane amber liter w/H2SO4 for TPH

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOC, 3x1 vials for dioxane 1x1 liter amber for TPH

SAMPLE IDENTIFICATION NUMBER(S): PZ0436W01S01

DECONTAMINATION PROCEDURES: _____

NOTES: _____

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF146

WELL NO.: PT115, PZ045 LOCATION: Coca PROJECT NO:

DATE: 5/30/01 TIME: 0739 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 36.39 → 37.86 TOTAL DEPTH: ~~43.00~~ 43.10(TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

30-40

2.7

32.70-42.70

set @ 40.00

purged dry 5/29/01

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 30 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
0824	200 ml	6.20	.486	7.86	25.8°	clear
0829	350 ml	6.21	.486	7.84	25.8°	clear
0834	500 ml	6.21	.486	7.80	25.8°	clear
0839	650 ml	6.22	.487	7.77	25.8°	clear
0842	start sample					
0900	end sampling					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl for VOC, amber w/H2SO4 for TPH

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials (VOC), 1x1 Liter Amber (TPH)

SAMPLE IDENTIFICATION NUMBER(S) PZ045GW01S01

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PFØ77
PFØ78

PFØ77

WELL NO.: PT116, PZ48 LOCATION: Coca PROJECT NO:

DATE: 5/9/01 TIME: 1310 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 5.55 (TOC) ⇒ 5.82 TOTAL DEPTH: 49.0

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

Screen 9-19
w/stick 8.5-18.5
set @ 14.0

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: microPurge PUMPING RATE: 47.5 ml/min

WELL PURGE DATA:

DATE/ TIME	[redacted] REMOVED	pH	SP. COND.	D.O.	[redacted] Degrees C	TURBIDITY
5/9/01 1409	950 ml	6.60	0.99	0.88	32.7	clear
1412	1092.5 ml	7.00	0.99	0.87	32.5	clear
1415	1235 ml	7.02	0.99	0.93	32.2	clear
1418	1377 ml	7.07	0.99	0.88	31.7°	clear
1421	1520 ml	7.08	1.00	0.91	31.7°	clear
1424	1662.5 ml	7.08	1.00	0.89	31.5°	clear
1426	start sampling					
1616	end sampling					

SAMPLE WITHDRAWAL METHOD: microPurge

APPEARANCE OF SAMPLE
COLOR clear
TURBIDITY clear
SEDIMENT —
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl, VOC's + 1,4 dioxane
1 liter amber w/H_2SO_4 ⇒ TPH

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 12 x 1 vials (40ml), 3 VOC, 3 1,4-dioxne for sample, 3 for 1,4 Duplicate, 3 for Split (1,4 Dioxane) and 3x1 amber, 1 sample, 1 dupe, 1 split

SAMPLE IDENTIFICATION NUMBER(S): PZ048GWØ1SØ1, PZØ48GWØ1DØ1

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF118

WELL NO.: PT44 PZ049 LOCATION: Alpha PROJECT NO:

DATE: 5/24/01 TIME: 1007 CLIMATIC CONDITIONS: ~~[illegible]~~ clear, hot

STATIC WATER LEVEL: 7.35 →end 7.63 TOTAL DEPTH: 34.00

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 6-16
stick 3.45
9.45-19.45
set pump @ 14.00

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: microperge PUMPING RATE: 40ml/m

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/24/01 1125	560ml	6.82	.416	1.39	26.3°	clear
1128	620ml	6.81	.418	1.41	26.2°	clear
1131	740ml	6.82	.417	1.38	25.9°	clear
1134	860ml	6.83	.419	1.37	26.0°	clear
1137	980ml	6.84	.418	1.37	26.0°	clear
1140	1100ml	6.84	.417	1.38	25.0°	clear
1142	start sample					
1201	end sample					

SAMPLE WITHDRAWAL METHOD: microperge

APPEARANCE OF SAMPLE
COLOR clear
TURBIDITY clear
SEDIMENT
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 3 vials w/HCl for VOC, 1 amber liter w/ H_2SO_4 for TPH

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials - VOC, 1x1 liter amber - TPH

SAMPLE IDENTIFICATION NUMBER(S) PZ049GW01S01

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF081

WELL NO.: PZ-050/PT-072 LOCATION: EEL PROJECT NO:

DATE: 5-14-01 TIME: 0905 CLIMATIC CONDITIONS: 25°C SUNNY

STATIC WATER LEVEL: 6.41 (TOC) TOTAL DEPTH: 15.54

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 5.5' - 15.5' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

TIP of pump @ 9.5' (TOC)

DTW = 6.65 (TOC) @ 1221 LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE: ~~APPROX.~~ 20 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1105	1000 ml	7.6	1.2	2.4	24°C	LOW
1115	1200 ml	7.6	1.1	2.8	25	LOW
1125	1400 ml	7.6	1.2	2.8	25	LOW
1137	1600	7.5	1.2	2.5	26	LOW
1148	1800	7.5	1.2	2.5	26	LOW
1158	2000	7.5	1.2	2.5	27	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP) using NITROGEN

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC - 8260 w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ050GWD1S01 / PF081

DECONTAMINATION PROCEDURES:

NOTES: Sample taken @ 1210

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF1Ø1

WELL NO.: OT71, PZ051 LOCATION: EEL PROJECT NO:

DATE: 5/22/01 TIME: 1030 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 6.51 → end 10.22 TOTAL DEPTH: 27.Øø

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 5-15, tot 3.37

8.37-18.37

set @ 14.00

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 40ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/22/01 1054	500ml	7.05	.672	4.64	26.7°	clear
1057	620ml	7.03	.671	4.70	26.7°	clear
1100	740ml	7.03	.678	4.74	26.5°	clear
1102	start sampling					
1120	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE

COLOR clear

TURBIDITY clear

SEDIMENT —

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl for VOC's, 1 liter plastic w/HNO3 for Gross Alpha+beta

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOC, 1 plastic liter for Gross Alpha + Beta

SAMPLE IDENTIFICATION NUMBER(S): PZ051GW01S01

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF1Ø2

WELL NO.: PT79, PZØ52 LOCATION: EFL PROJECT NO: _____

DATE: 5/22/01 TIME: 1258 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 14.58 ⇒ 19.52 TOTAL DEPTH: 30.00

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

18.9-28.9 screen VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X

2.77 - stickup _____ LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

= 21.67-31.67

set @ 26.00 METHOD OF REMOVAL: micropurge PUMPING RATE: 40 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/22/01 1324	500 ml	6.95	.534	5.29	29.1°	clear
1327	620 ml	6.97	.537	5.30	28.8	clear
1330	740 ml	6.96	.543	5.46	28.5°	clear
1332	start sampling					
1350	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT —

OTHER _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 3 vials w/ HCl for VOC, 1 liter plastic w/ HNO3 for Gross Alpha+Beta

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOC, 1x1 liter plastic for gross Alpha+Beta

SAMPLE IDENTIFICATION NUMBER(S) PZØ526WØ1SØ1

DECONTAMINATION PROCEDURES: _____

NOTES: _____

SAMPLED BY: Chris Costakis

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF117

WELL NO.: PT93, PZ0053 LOCATION: Plan R2-Pond PROJECT NO:

DATE: 5/23/01 TIME: 1200 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 17.97 → end 18.26 TOTAL DEPTH: 29.00

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

16-26 VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

4.15 X

20.15-30.15 ; LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

Set @ 25.00 METHOD OF REMOVAL: micropurge PUMPING RATE: 20ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1234	500ml	6.68	.579	2.18	37.9°	clear
1237	560	6.66	.581	2.19	38.0°	clear
1240	620	6.68	.581	2.18	38.2°	clear
1243	680	6.68	.584	2.18	38.0°	clear
1246	740	6.67	.586	2.19	38.1°	clear
1249	800	6.68	.587	2.19	38.0°	clear
1250	start sampling					
1400	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT —

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl for VOC, 1liter amber for Dioxin, 1 liter ~~plastic~~ w/HNO3 for metals

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOC, 1 amber for Dioxin, 1 plastic liter for metals

SAMPLE IDENTIFICATION NUMBER(S) PZ0536W0150 1

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF127

WELL NO.: PF92, PZ054 LOCATION: R2-Pond PROJECT NO:

DATE: 5/29/01 TIME: 1257 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 6.99 → 7.26 TOTAL DEPTH: 15.8

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 5-15
stick e 5.20
10.20-20.20
pump @ 15.00

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 40 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/29/01 1348	500 ml	7.19	1.47	1.57	29.6°	clear
1351	620 ml	7.18	1.47	1.55	29.5°	clear
1354	740 ml	7.20	1.47	1.53	29.40	clear
1358	860 ml	7.20	1.48	1.50	29.6°	clear
1400	980 ml	7.21	1.48	1.46	29.6°	clear
↓ 1403	1100 ml	7.21	1.47	1.45	29.6°	clear
1405	start sampling					
1500	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE
COLOR clear
TURBIDITY clear
SEDIMENT —
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl for VOC,
1 liter Amber for Dioxins, 1 amber w/ H_2SO_4 for TPH

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials (VOC), 1x1 amber (TPH) 1x1 amber (Dioxin

SAMPLE IDENTIFICATION NUMBER(S): PZ0546W0150l

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF143

WELL NO.: PZ-056/ PTOS3 LOCATION: SSFL PROJECT NO:

DATE: 5/29/01 TIME: ~~0~~ 1300 CLIMATIC CONDITIONS:

STATIC WATER LEVEL: 25,88 TOTAL DEPTH: 27.4 (BGS)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

30,35 total Depth

Pump Set AT 27'

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

no Recharge visible - over 20 min per 1/100th foot METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1315	Purge - to 29.60 - 3.5 gallons					
1324	29,43					
1326	29,40					
5/30/01 1623	28,65					
1630	Begin Sample Collection					
	DTW = 29.7 - After Sample collection					
						Clear

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR Clear

TURBIDITY Low

SEDIMENT none

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES:

NUMBER AND TYPES OF SAMPLE CONTAINERS USED:

SAMPLE IDENTIFICATION NUMBER(S) PZ056GW01501

DECONTAMINATION PROCEDURES:

NOTES: 5/30/01 - >30 min for 0.01' Recharge - used Bailer to Sample well. Insufficient volume for Parameters

SAMPLED BY: Insufficient Volume for bladder pump - Eric Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PFØ87
PFØ88

WELL NO.: PTØ51, PZØ57 LOCATION: SPA PROJECT NO:

DATE: 5/16/01 TIME: 0750 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 16.13 (TOC) ⇒ 16.31 TOTAL DEPTH: 32.5 bgs

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 12-22 (bgs) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X
stickup 3.77

⇒15.99-25.99 (TOC) LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

Set @ 21.00
end @ 16.30 (TOC) METHOD OF REMOVAL: microPurge PUMPING RATE: 50ml/min

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ ml. REMOVED	pH	SP. COND.	D.O.	REDOX Degrees C	TURBIDITY
5/16/01 0652	1000ml	7.37	0.20	3.88	22.5°	clear
0901	1250 ml	7.40	.448	3.91	22.5°	clear
0906	1500 ml	7.44	.447	4.06	22.6°	clear
0911	1750 ml	7.42	.446	4.13	22.7°	clear
0916	2000 ml	7.46	.446	4.12	22.8°	clear
0921	2250 ml	7.48	.445	4.10	22.9°	clear
0929	start sampling					
1000	end sampling					

SAMPLE WITHDRAWAL METHOD: microPurge

APPEARANCE OF SAMPLE
COLOR clear
TURBIDITY clear
SEDIMENT —
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: Vials w/HCl sampling VOCs

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 6x1 Vials (40ml)

SAMPLE IDENTIFICATION NUMBER(S): ~~PZØ51GWØ1SØ1, PZØ51GWØ1DØ1~~
DECONTAMINATION PROCEDURES: PZØ57GWØ1SØ1, PZØ57GWØ1DØ1

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF083

WELL NO.: PZ-058 PT-052 LOCATION: SPA PROJECT NO:

DATE: 5-16-01 TIME: 0900 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 8.03 TOTAL DEPTH: 18.17

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 9'-19' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

TIP of PUMP @ 14' (TOC)

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE: APPROX. 20 ml/min

WELL PURGE DATA:

DTW (TOC)	DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	D.O. mg/l	TEMP. ~~REDOX~~	TURBIDITY
8.36'	0945	1000 ml	7.1	0.68	1.4	22°C	LOW
8.35'	0955	1200 ml	7.1	0.68	1.4	22°C	LOW
8.35'	1005	1400 ml	7.1	0.68	1.5	22°	LOW
8.36'	1015	1600 ml	7.1	0.68	1.5	23	LOW
8.37'	1025	1800 ml	7.1	0.69	1.3	23	LOW
8.37	1035	2000 ml	7.1	0.69	1.4	23	LOW

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/HCl; 1,4 DIOXANE w/HCl; GROSS ALPHA & BETA w/HNO3

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 6 x 40-ml VIALS; 1 x 1l PLASTIC

SAMPLE IDENTIFICATION NUMBER(S) PZ058GW01S01 / PF083

DECONTAMINATION PROCEDURES:

NOTES: Sample taken @ 1045

SAMPLED BY: E. GARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF119

WELL NO.: PT45, PZ060 LOCATION: Alpha PROJECT NO: _____

DATE: 5/24/01 TIME: 0725 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 35.60 → end 36.00 TOTAL DEPTH: 49.00

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

38-48 screen
3.77 stdl
41.77-51.77
set @ 46.00

VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X _____ LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 30ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/24/01 0818	500 ml	6.99	.269	5.19	22.6°	clear
0821	590 ml	7.01	.320	5.16	22.7°	clear
0824	680 ml	7.02	.331	5.10	22.8°	clear
0827	770 ml	7.02	.340	5.09	22.8°	clear
0830	860 ml	7.04	.350	5.06	23.0°	clear
0833	950 ml	7.06	.354	5.06	23.0°	clear
0834	start sampling					
0936	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/ HCl for VOC, vials w/ HCl for 1,4 dioxane, 1 liter amber w/ H_2SO_4 for TPH

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOC, 3x1 vials for 1,4 dioxane 1x1 amber for TPH

SAMPLE IDENTIFICATION NUMBER(S) PZ060GW01S01

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF112

WELL NO.: PZ-061/DT-067 LOCATION: BRKD PROJECT NO:

DATE: 5-24-01 TIME: 1120 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 12.58' (TOC) TOTAL DEPTH: 18.56

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 8.5' - 18.5' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

Pump Tip @ 15' (TOC)

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1203	800 ml	6.8	2.0	2.5	27°C	LOW
1208	1000 ml	6.8	2.0	1.6	27°C	LOW
1213	1200 ml	6.8	2.0	1.5	27°C	LOW
1218	1400 ml	6.7	2.0	1.4	27°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/HCl; 1,4-DIOXANE

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 6 X 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ06/GW0180/

DECONTAMINATION PROCEDURES:

NOTES: Sample taken @ 1222. DTW after sampling = 13.08' (TOC)

SAMPLED BY: E. SKRAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF092

PZ-067A

WELL NO.: PF0091, PZ67A LOCATION: Building 359 PROJECT NO: _____

DATE: 5/17/01 TIME: 1240 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 31.51 → end 34.04 TOTAL DEPTH: 40.00

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

Purged 5/16/01 dry (bailed) VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X

sampled directly

bottom @ 40.00 bgs

stick up is 3.36

set up @ 39.50 (TOC) LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

METHOD OF REMOVAL: _____ PUMPING RATE: 40 ml/min

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ ml REMOVED	pH	SP. COND.	D.O.	~~REDOX~~ Degrees C	TURBIDITY
5/17/01 1318	120ml	6.81	.351	4.40	27.6°	clear
1323	320	6.87	.354	4.42	27.8°	clear
1328	520	6.90	.359	4.41	27.5°	clear
1330	start sampling					
1358	end sampling					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR _____

TURBIDITY _____

SEDIMENT _____

OTHER _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/ HCl for VOC, 125ml plastic bottle for perchlorate

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOC's, 1x1 bottle (125ml) for perchlorate

SAMPLE IDENTIFICATION NUMBER(S): ~~PZ067GW01S01~~

DECONTAMINATION PROCEDURES: PZ067GW01S01

NOTES: _____

SAMPLED BY: Chris Costaky

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PFØ93

WELL NO.: ~~PTØØ9B~~, PZØ67B LOCATION: building 359 PROJECT NO: _____

DATE: 5/17/01 TIME: 1425 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 53.23 (TOC) → 56.91 TOTAL DEPTH: 65.00 bgs

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

- stick up @ 2.70. VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X

- purged dry on 5/16/01 so take direct samples _____ LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

- set @ 65.50ft METHOD OF REMOVAL: micropurge PUMPING RATE: 80ml/min

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ ml REMOVED	pH	SP. COND.	D.O.	~~REDOX~~ Degrees C	TURBIDITY
5/17/01 1459	850ml	6.54	.340	4.83	26.3°	clear
1504	1250ml	6.51	.344	4.87	25.7°	clear
1509	1650ml	6.49	.346	4.90	25.6°	clear
1512	start sampling					
1540	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT -

OTHER _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 3 vials w/HCl for VOC

1 125ml plastic bottle for perchlorate

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 40ml vials, 1x1 125ml plastic bottle

SAMPLE IDENTIFICATION NUMBER(S) ~~PZØ67BGWØ2SØ1~~

DECONTAMINATION PROCEDURES: PZØ67GWØ2SØ1

NOTES: _____

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PFØ79

PFØ79

WELL NO.: PT50 PZ071 LOCATION: SDA PROJECT NO:

DATE: 5/10/01 TIME: 0750 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 9.87 (TOC) → end 10.12 TOTAL DEPTH: 31.5

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen @ 18-28 VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

3.37 X

21.37-31.37 (toc) LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

set @ 26ft METHOD OF REMOVAL: micropurge PUMPING RATE: 37.5 ml/min

WELL PURGE DATA:

DATE/ TIME	ml REMOVED	pH	SP. COND.	D.O.	Degrees C°	TURBIDITY
5/10 0912	937.5 ml	6.30	0.638	1.12	25.2	clear
0915	1050 ml	7.02	0.639	1.22	25.5	clear
0918	1162.5 ml	7.11	0.640	1.22	25.4	clear
0921	1275 ml	7.30	0.640	1.40	25.6	clear
0924	1387.5 ml	7.31	0.642	1.23	25.6	clear
0927	1500 ml	7.31	0.646	1.17	25.7	clear
↓ 0930	1612.5 ml	7.32	0.645	1.12	25.7	clear
0933	start sampling					
1000	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/ HCl → VOC (8260B)

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 40ml vials

SAMPLE IDENTIFICATION NUMBER(S) PZØ71GWØ1SØ1

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF142

WELL NO.: PZ-074/ PF021 LOCATION: Happy Valley PROJECT NO:

DATE: 5/29/01 TIME: 1600 CLIMATIC CONDITIONS:

STATIC WATER LEVEL: 15.03 TOTAL DEPTH: 23.48 (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

23.48 total VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

pump set @ 19 ft X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
	1600	Purged down 0.4 ft 0.01' Recharge in >15 min - purged dry					
18.2 ft to H_2O	5/30/01 1350	Set pump @ 21 ft					
	1410	Began Sample Collection					
	1500	Finish Sample Collection					
	1501	2.8L	7.25	71.1	4.61	28.4	2
Drawdown to 19.20 After Sample Collection							

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES:

NUMBER AND TYPES OF SAMPLE CONTAINERS USED:

SAMPLE IDENTIFICATION NUMBER(S) PZØ74GWØ15Ø1

DECONTAMINATION PROCEDURES:

NOTES: Drawdown of 0.01 ft per cycle @ 5mL per cycle - will collect samples 1st then measure parameters

SAMPLED BY: [signature]

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PFØ71

PFØ71
PZ-072

WELL NO.: PT60 PZ72 LOCATION: Silvernale PROJECT NO:

DATE: 5/9/01 TIME: 0950 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 2.58 (TOC) → 3.12 TOTAL DEPTH: 20.0

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

Screen 8.5 - 18.5
w/sand 11.12 - 21.12
Set @ 16 ft

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 45ml/min

WELL PURGE DATA:

DATE/ TIME	ml [redacted] REMOVED	pH	SP. COND.	D.O.	[redacted] Degrees C	TURBIDITY
5/9 1053	1000ml	6.86	12.930	0.50	31.4	clear
1056	1135	7.30	0.927	0.74	31.5	clear
1059	1270	7.40	0.927	0.76	31.6	clear
1102	1405	7.42	0.926	0.74	31.7	clear
1105	1540	7.40	0.924	0.75	31.8	clear
1108	1675	7.46	0.925	0.74	31.7	clear
↓ 1110	start sampling					
1130	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE
COLOR: clear
TURBIDITY: clear
SEDIMENT: none
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: Vials w/HCl → 8260B VOC's

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 vials (40ml)

SAMPLE IDENTIFICATION NUMBER(S): PZØ72GWØ1SØ1 / PFØ71
DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Cosbales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PZ075/ PF14Ø

WELL NO.: PT004 LOCATION: IEL PROJECT NO:

DATE: 5/29/01 TIME: 0830 CLIMATIC CONDITIONS: Sunny 75°

STATIC WATER LEVEL: 42.65 TOTAL DEPTH: 46.25

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

46.25 Total depth
0.58 gal H2O in well

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

Pump set at 44ft

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. REDOX	TURBIDITY
5/29/01 0900	0.75L	7.00	63.1	3.49	26.12	20
0925	1L	6.84	66.1	8.39	26.10	10
0950	1.25L	6.81	66.0	7.60	26.10	10
1015	1.3[illegible]L	6.80	66.0	7.20	26.10	10
Draw Down to→ 1038	1.30L?					
42.85	Purged Dry - 9A.lon					
DTW: 44.76 1120						
1134	Equilibrium @ ≈ 40ml/min					
1142	—	6.80	6.66	8.16	25.4	Low

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES:

NUMBER AND TYPES OF SAMPLE CONTAINERS USED:

SAMPLE IDENTIFICATION NUMBER(S) PZØ75GWØ1SØ1 - 11:57Am - Sample Collected

DECONTAMINATION PROCEDURES:

NOTES: filled up Flow thru-cell - Drawdown 2 tenths - Checked Recharge - over 25min for 0.01ft

SAMPLED BY: Bailed Dry - After 1 Hour - Recharged @ approx 40ml/min Mix pump discharge - 60ml/2min - because of pump depth

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

0.16 gal / 1ft × 0.2 = 0.032 gal 2.71 / gal 6.032 / X

GROUNDWATER SAMPLING LOG

PF126

WELL NO.: PZ-076/PT-031 LOCATION: CTL-III PROJECT NO:

DATE: 5-29-01 TIME: 1330 CLIMATIC CONDITIONS:

STATIC WATER LEVEL: 27.04 (TOC) TOTAL DEPTH: 49.80 (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 38.8' - 48.8' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5-30-01	0830	11 gallons → PUMPED DRY BY J. DOUGHERTY					
DTW=31.03 → 5-30-01	1040						
pump @ 43' (TOC)	1107	1000 ml.	7.0	1.5	2.6	27°C	LOW
	1112	1300 ml	7.0	1.5	2.7	26°C	LOW
	1117	1700 ml	7.0	1.5	2.7	26°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR: CLEAR/SLIGHTLY CLOUDY

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/ HCl ; SVOC-8270C ; DIOXINS-8290

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS & 2 x 1-l AMBER

SAMPLE IDENTIFICATION NUMBER(S): PZ076GW01S01

DECONTAMINATION PROCEDURES:

NOTES: Samples Taken @ 1120. VOC fills in <1 min.. DTW after sampling = 30.46 (TOC) @ 1150

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF134

WELL NO.: PZ-077 (PT-030) LOCATION: NEAR PERIMETER POND PROJECT NO:

DATE: 5/29/01 ~~5/30/01~~ TIME: 1055 CLIMATIC CONDITIONS: 75°F SUNNY

STATIC WATER LEVEL: 14.51 '(TOC) TOTAL DEPTH: 28.40

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 18'-28' (TOC)
Pump Top @ 22' (TOC)

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.
X
LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1134	1000 ml	7.2	2.3	1.1	24°C	LOW
1139	1200 ml	7.2	2.4	1.4	24°C	LOW
1144	1400 ml	7.2	2.4	1.3	24°C	LOW
1149	1600 ml	7.2	2.4	1.4	24°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE
COLOR: CLEAR
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 B w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ077GW01S01
DECONTAMINATION PROCEDURES:

NOTES: Sample Taken @ 1155. VIALS FILLS-up in < 1 min. DTW AFTER SAMPLING = 14.84 '(TOC) @ 1202

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF124

WELL NO.: PT29, PZ078 LOCATION: CTL III PROJECT NO:

DATE: 5/25/01 TIME: 1020 CLIMATIC CONDITIONS: clear, hot

STATIC WATER LEVEL: 15.61 (TOC) TOTAL DEPTH: 24.73

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

15-25
-.4
14.60-24.60

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

set pump @ ~~20.0~~ 19.50

METHOD OF REMOVAL: micropurge PUMPING RATE: 30ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/25/01 1118	500 ml	6.24	.729	2.40	24.4°	clear
1123	590 ml	6.22	.729	2.33	24.4°	clear
1128	680 ml	6.26	.729	1.90	24.5°	clear
1130	start sampling					
1145	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE
COLOR clear
TURBIDITY clear
SEDIMENT —
OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials w/HCl for VOC

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials for VOC's

SAMPLE IDENTIFICATION NUMBER(S) PZ0786W01S01

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: Chris Cassidy

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF137

WELL NO.: PZ079/PT-028 LOCATION: CTL III PROJECT NO:

DATE: 5-29-01 TIME: 1650 CLIMATIC CONDITIONS: 80°F SUNNY

STATIC WATER LEVEL: 17.16' (TOC) TOTAL DEPTH: 27.77

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 18'-28' (TOC)
PUMP TIP @ 22' (TOC)

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1628	1200 ml	6.7	0.9	1.6	25°C	LOW
1633	1600 ml	6.7	0.9	1.4	25°C	LOW
1639	2000 ml	6.7	0.9	1.3	24°C	LOW
1645	2400 ml	6.7	0.9	1.4	24°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE
COLOR: CLEAR
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/HCl; 1,4-DIOXANE; TPH-8015M

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: EVS 6 x 40-ml VIALS; 1x1-L AMBER

SAMPLE IDENTIFICATION NUMBER(S): PZ079GW01SD1

DECONTAMINATION PROCEDURES:

NOTES: Sample taken @ 1650. VIALS FILLS UP IN <1 MIN.. DTW = AFTER SAMPLING = 17.18' (TOC) @ 1730

SAMPLED BY: E. STARO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF135
PF136

WELL NO.: PZ-080/ PT-022 LOCATION: Area I Rd PROJECT NO: ______

DATE: 5/29/01 ~~5-29-01~~ TIME: 0745 CLIMATIC CONDITIONS: 65°F SUNNY

STATIC WATER LEVEL: 22.88' (TOC) TOTAL DEPTH: 31.70 (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: ______ LINEAR FEET

SCREEN: 21.8' - 31.8' (TOC) VOLUME OF WATER TO BE EVACUATED: ______ GALS./LINEAR FT.
pump set. @ 27.0' (TOC) X ______

LINEAR FT. OF SATURATION X CASING VOLUMES = ______ GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE: ______

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/l	TEMP. ~~REDOX~~	TURBIDITY
0913	1000 ml	7.6	0.44	2.1	16°C	Low
0919	1200 ml	7.6	0.44	2.2	16°C	Low
0925	1400 ml	7.6	0.45	2.3	17	Low
0931	1600 ml	7.6	0.45	2.2	17	Low

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE
- COLOR: CLEAR
- TURBIDITY: LOW
- SEDIMENT: ______
- OTHER: ______

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/ HCl; PERCHLORATE - 300M

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS; 3 x 125-ml PLASTIC

SAMPLE IDENTIFICATION NUMBER(S): PZ080GW01S01 → VOC and PERCHLORATE
~~DECONTAMINATION PROCEDURES:~~ PZ080GW01D01 → PERCHLORATE DUPLICATE & QA SPLIT

NOTES: Samples Taken @ 0935. VOC vials filled in <1 min. ; DTW after sampling = 23.20 (TOC) @ 100

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: ______ TRANSPORTERS: ______

DATE: ______ TIME: ______

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF139

WELL NO.: PZ-082 / PF24 LOCATION: R-1 Pond PROJECT NO:

DATE: ~~5/30/01~~ 5/30/01 TIME: 0800 CLIMATIC CONDITIONS: Sunny 80°

STATIC WATER LEVEL: 10.75 TOTAL DEPTH: 23.6

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

23.6 total Depth VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

Well Set @ 16.5 ft X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
08:10	0.5L	7.12	45.3	9.13	21.22	10.5
08:12	1.5L	7.01	50.2	7.92	21.14	10.0
08:14	2.5L	7.01	54.1	6.90	22.09	10.0
08:16	3.5L	7.00	54.5	6.62	22.09	10.1
08:18	4.0L	7.00	54.5	6.64	22.10	9.2
08:20	4.5L	7.00	54.4	6.61	22.12	8.4
08:25	Sample Collected					
no Drawdown						

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES:

NUMBER AND TYPES OF SAMPLE CONTAINERS USED:

SAMPLE IDENTIFICATION NUMBER(S) PZ0826W0501

DECONTAMINATION PROCEDURES:

NOTES: Excellent Flow ~0.5 L/min

SAMPLED BY: Eric Watson

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF089
PC006

WELL NO.: PZ-084/PT-123 LOCATION: BOWL PROJECT NO:

DATE: 5-17-01 TIME: 1245 CLIMATIC CONDITIONS: 85°F SUNNY

STATIC WATER LEVEL: 30.14' (TOC) TOTAL DEPTH:

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

Pump. Tag @ 33' (TOC) X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE (BLADDER PUMP) PUMPING RATE:

WELL PURGE DATA:

WELL WAS BAILED DRY IN A.M.

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1336	1200 ml	6.7	0.42	3.9	31 °C	LOW
1346	1550 ml	6.7	0.40	3.8	31	LOW
1358	1900 ml	6.7	0.39	4.4	31	LOW
1409	2050	6.7	0.39	4.4	32	LOW
1416	2150	6.7	0.39	4.4	32	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE
COLOR: CLEAR
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 w/HCl; TPH-8015BM w/H_2SO_4

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS; 2 x 1-L AMBER

SAMPLE IDENTIFICATION NUMBER(S): PZ084GW01S01 / PF089 → 3 VOC + 1 TPH

DECONTAMINATION PROCEDURES: PZ084GW01D01 / PC006 → 1 TPH

NOTES: Sample taken @ ~~BD~~ end 1423

SAMPLED BY: E. SAPAD

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF090

WELL NO.: PZ-085A/PT-117A LOCATION: Bowl PROJECT NO:

DATE: 5-17-01 TIME: 1005 CLIMATIC CONDITIONS:

STATIC WATER LEVEL: 26.91' (TOC) TOTAL DEPTH: 30.40

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 20'-30' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

Insufficient recharge to sample-purged Dry LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
	5/16/01/1249	4 -Dry					
DTW 26.3 Total Depth 30.1	5/18/01/0740	Collected Sample					
		Start: 0740					
		Flush 0900					
Set pump @ 28 ft.	0910	3 Liters	7.3	2.1	9.0	17.0°C	Clear
	0915	-Dry-					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE
COLOR: Clear
TURBIDITY: Low
SEDIMENT: none
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: HCl, H_2SO_4, HNO_3

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 VOAs 1 Amber 1 Poly

SAMPLE IDENTIFICATION NUMBER(S): ~~PZ085AGW01SD1~~ PF090

DECONTAMINATION PROCEDURES: PZ085GW01SD1

NOTES: Very Little H_2O Recharge - Collected Sample then measured parameters

SAMPLED BY: Eric Cuthcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PZ-085B PFØ64

WELL NO.: PT-117B, PZ85B LOCATION: Bowl PROJECT NO:

DATE: 5/3/01 TIME: 0844 CLIMATIC CONDITIONS: clear, windy

STATIC WATER LEVEL: 30.23 TOTAL DEPTH: 60.0 ft

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 0.083 ml/min

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND.	D.O.	[redacted] Degrees C	TURBIDITY
5/3/01 0909	.25	6.79	1.41	4.12	18.1	clear
0912	.50	6.85	1.41	5.45	18.0	clear
0915	.75	6.83	1.41	4.12	17.9	clear
0918	1.00	6.87	1.41	4.31	17.9	clear
0921	1.25	6.90	1.42	4.33	17.8	clear
0924	1.50	6.94	1.43	3.71	17.8	clear
0930	start sample					
1025	end sample					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT clear / none

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8260B, 8015, metals - HCl, HNO_3, H_2S

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x40ml VOA's, 1x1 amber liter, 1x1 liter plastic

SAMPLE IDENTIFICATION NUMBER(S) ~~PZØ85GWØ25Ø1~~ / PFØ64

DECONTAMINATION PROCEDURES: PZØ85GWØ25Ø1

NOTES:

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

PF107

GROUNDWATER SAMPLING LOG

WELL NO.: PZ-087A/ PF23A LOCATION: BOJ PROJECT NO:

DATE: 5/22/01 TIME: 1302 CLIMATIC CONDITIONS: Sunny

STATIC WATER LEVEL: 2100 TOTAL DEPTH: 25.20

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

Total depth 25.2 VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

Pump set @ 23.00 LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/21	Purged Dry					
5/22/01 1356	500mL	6.17	48.2	4.40	36.7	218
1309	~~600mL~~ 600mL	6.02	48.0	4.40	36.7	10
1312	650mL	6.02	48.1	4.39	36.7	2
1315	Began Sample Collection					
1415	Metals Sample Collected					

SAMPLE WITHDRAWAL METHOD:

APPEARANCE OF SAMPLE COLOR

TURBIDITY

SEDIMENT

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES:

NUMBER AND TYPES OF SAMPLE CONTAINERS USED:

SAMPLE IDENTIFICATION NUMBER(S)

DECONTAMINATION PROCEDURES:

NOTES: not Sufficient volume (5mL discharge per cycle - Left site to Call Pump Manufacturer

SAMPLED BY:

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

PF107
PAGE 2 of 2

GROUNDWATER SAMPLING LOG

WELL NO.: PZ-087A/PT-023A LOCATION: BOWL PROJECT NO:

DATE: 5-23-01 TIME: 0750 CLIMATIC CONDITIONS: 80°F SUNNY

STATIC WATER LEVEL: 21.05' (TOC) TOTAL DEPTH: 25.20

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 14.4' - 24.4' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

PUMP TIP @ 23.8' (TOC) X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE BLADDER PUMP PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/l	TEMP. ~~REDOX~~	TURBIDITY
AFTER SAMPLING →	1032	≈ 3300 ml	6.3	0.52	7.7	30°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE
COLOR: CLEAR
TURBIDITY: LOW
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/HCl; TPH-8015 BM w/ H_2SO_4; SVOC-8270C; METALS w/HNO_3

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS; 2 x 1-l AMBER; 1 x 1-l PLASTIC

SAMPLE IDENTIFICATION NUMBER(S): ~~PZ087AGW01S01~~ PF107

DECONTAMINATION PROCEDURES: PZ087GW01S01

NOTES: Samples Taken @ 0839. VOC VIALS TOOK 100 SECS. TO FILL.

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF063

PZ-087B/

WELL NO.: PT-023B LOCATION: Boul PROJECT NO:

DATE: 5/2/01 TIME: 2:36 PM CLIMATIC CONDITIONS: Sunny ~75°

STATIC WATER LEVEL: 40.45 TOTAL DEPTH: ~~55~~ 51.9

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

48ft VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT. X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	~~GALLONS~~ REMOVED	pH	SP. COND. MS/cm	D.O.	~~TEMP~~ temp °C	TURBIDITY
5/2/01 ~~1455~~ 1515	32	5.71	0.79	3.61	24.7	clear
1517	40	5.75	0.79	3.08	24.7	clear
1524	68	5.82	0.79	3.47	24.9	clear
1534	108	6.04	0.80	1.77	21.3	clear
1545	150	6.11	0.80	1.04	19.5	clear
1555	3.0 gal	6.14	0.76	0.81	19.5	clear
1600	3.5 gal	6.24	0.75	1.05	19.5	clear
1605	4.0 gal	6.24	0.75	1.04	20.0	clear
1607	4.25	6.25	0.75	1.06	20.1	clear

SAMPLE WITHDRAWAL METHOD: Micro Purge

APPEARANCE OF SAMPLE
COLOR: clear
TURBIDITY: Low
SEDIMENT:
OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC - 8260 w/ HCl ; SVOC - 8270 TPH-8015 w/ H_2SO_4 METALS

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 1610 Sample Collected.

3 x 40-ml VIAL, 2 x 1-l AMBER, ~~1 x 125-ml plastic~~ 1 x 1-l plastic w/ HNO_3

SAMPLE IDENTIFICATION NUMBER(S): ~~PZ087BGW025@1~~ / PF063

DECONTAMINATION PROCEDURES: PZØ87GWØ25Ø1

NOTES: 60 PSI D.S 3.5 Ref 3.0 Acclu well

SAMPLED BY: C. Cathcart

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF065

PZ-088

WELL NO.: PT15, PZ88 LOCATION: Building 359 PROJECT NO:

DATE: 5/4/01 TIME: 0820 CLIMATIC CONDITIONS: clear, warm

STATIC WATER LEVEL: 33.19 (TOC) → 33.41 TOTAL DEPTH: 45.00

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

screen 32-42 (TOC)
set @ 38.60

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

X

setting WD PR
1 5

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: micropurge PUMPING RATE: 0.05 gal/min

WELL PURGE DATA:

DATE/ TIME	Gallons [redacted] REMOVED	pH	SP. COND.	D.O.	[redacted] Degrees C.	TURBIDITY
5/4/01 0943	0.5	7.4	1.2	3.5	26.0	clear
0948	0.75	7.4	1.2	3.9	26.0	clear
0953	1.00	7.4	1.2	3.6	26.0	clear
0958	1.25	7.4	1.2	3.7	26.0	clear
1003	1.50	7.4	1.2	3.4	26.0	clear
1008	1.75	7.4	1.2	3.4	26.0	clear
1009	start sampling					
1042	end sampling					

SAMPLE WITHDRAWAL METHOD: micropurge

APPEARANCE OF SAMPLE COLOR clear

TURBIDITY clear

SEDIMENT none

OTHER

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOA w/HCl - VOC's (8260B)

1,4 Dioxane w/HCl, SVOC - 8270C; perchlorate - 300ml

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 6x40ml VOAs, 1 amber liter

1 250 ml plastic

SAMPLE IDENTIFICATION NUMBER(S) PZ088GW01S01 / PF065

DECONTAMINATION PROCEDURES:

NOTES:

SAMPLED BY: C. Costales

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF141

WELL NO.: PT 14 / PZ-089 LOCATION: APTF PROJECT NO: _____

DATE: 5/29/01 TIME: 1630 CLIMATIC CONDITIONS: Sunny 80°

STATIC WATER LEVEL: 12.32 TOTAL DEPTH: 19.12

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

Ed Attempted to Sample this Perm; Insufficient head of water for bladder pump

VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X _____ LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

METHOD OF REMOVAL: _____ PUMPING RATE: _____

WELL PURGE DATA:

	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
19.12	0952	2 - Purged Dry					
	1647	Began Purge					
	1649	0.25	8.40	29.1	10.34	22.24	Low
Purged Dry →	1650	0.5	7.57	26.2	5.92	22.20	Low
	1655	0.75	2.57	26.1	5.91	22.20	Low
	1700	1.5	7.58	26.2	5.90	22.20	Low

SAMPLE WITHDRAWAL METHOD: Bailer

APPEARANCE OF SAMPLE: COLOR _____ TURBIDITY _____ SEDIMENT _____ OTHER _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: _____

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: _____

SAMPLE IDENTIFICATION NUMBER(S): PZ089GW01501 Sample collected @ 1710 DTW=17.50

DECONTAMINATION PROCEDURES: _____

Used Sub. electric pump for purge - not even H2O for bladder pump.

NOTES: Sampled w/ disp. Bailer

SAMPLED BY: Eri [signature]

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF125

WELL NO.: PT27, P2090 LOCATION: CTLIII, Building 412 PROJECT NO: _____

DATE: 5/30/01 TIME: 0940 CLIMATIC CONDITIONS: _____

STATIC WATER LEVEL: 22.46 → 25.38 TOTAL DEPTH: _____

WELL PURGING: LENGTH OF SATURATED ZONE: _____ LINEAR FEET

16-26 VOLUME OF WATER TO BE EVACUATED: _____ GALS./LINEAR FT. X

-.4

15.60-25.60 LINEAR FT. OF SATURATION X CASING VOLUMES = _____ GALS.

set @ 24.00

METHOD OF REMOVAL: no purge/bailed PUMPING RATE: _____

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
5/30/01 1120	50ml	6.72	.697	10.50	22.3°	clear/yellow
1125	100ml	6.59	.659	10.99	21.1°	clear/yellow
1130	150ml	6.50	.650	10.90	21.0°	yellow/brown
1135	start sampling					
1220	end sampling					

SAMPLE WITHDRAWAL METHOD: bailer

APPEARANCE OF SAMPLE COLOR: brown

TURBIDITY: brown

SEDIMENT: yes

OTHER: _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: vials for VOC + 1,4 dioxane w/HCl, 1 liter w/H2SO4 for TPH, 1 liter for PCB

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x1 vials (VOC), 3x1 vials (Dioxane), 1x1 liter amber (TPH), 1x1 liter amber (PCB)

SAMPLE IDENTIFICATION NUMBER(S): P27/P2090GW01S01

DECONTAMINATION PROCEDURES: _____

NOTES: _____

SAMPLED BY: Chris Costales

SAMPLES DELIVERED TO: _____ TRANSPORTERS: _____

DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF122

WELL NO.: PZ-091/PT-025 LOCATION: CTL-III PROJECT NO:

DATE: 5-25-01 TIME: 1105 CLIMATIC CONDITIONS: 85°F SUNNY

STATIC WATER LEVEL: 18.11' (TOC) TOTAL DEPTH:

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

SCREEN: 25.6' - 38.6' (TOC) VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

Pump Tip @ 32.5' (TOC) X

LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE BLADDER PUMP PUMPING RATE:

WELL PURGE DATA:

DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
1138	1000 ml	7.0	0.80	1.2	28°C	LOW
~~1143~~ 1143	1200 ml	7.0	0.80	1.2	28	LOW
1148	1400 ml	7.0	0.80	1.2	29	LOW
1153	1600 ml	7.0	0.80	1.2	29	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE BLADDER PUMP

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260B w/ HCl

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 X 40-ml VIALS

SAMPLE IDENTIFICATION NUMBER(S): PZ091GW01S01

DECONTAMINATION PROCEDURES:

NOTES: Sample taken @ 1157. DTW AFTER SAMPLING = 18.44 (TOC) @ 1203
SAMPLES FILLS IN << 1.0 min.

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

GROUNDWATER SAMPLING LOG

PF12Ø

WELL NO.: PZ-096/PT-126 LOCATION: PLF PROJECT NO:

DATE: 5-X-01 TIME: 0730 CLIMATIC CONDITIONS: 65°F OVER CAST

STATIC WATER LEVEL: 39.73' (TOC) TOTAL DEPTH: 48.17 (TOC)

WELL PURGING: LENGTH OF SATURATED ZONE: LINEAR FEET

VOLUME OF WATER TO BE EVACUATED: GALS./LINEAR FT.

Top of Pump @ 43.0'(TOC) LINEAR FT. OF SATURATION X CASING VOLUMES = GALS.

METHOD OF REMOVAL: MICRO PURGE BLADDER PUMP PUMPING RATE:

WELL PURGE DATA:

	DATE/ TIME	GALLONS REMOVED	pH	SP. COND. mS/cm	D.O. mg/L	TEMP. ~~REDOX~~	TURBIDITY
	5/24/01 1413	10 gallons → PURGED DRY BY J. DOUGHERTY					
MICRO PURGING →	5/25/01 0828	800 ml	7.0	2.2	1.8	18°C	LOW
	0833	1000 ml	7.0	2.3	1.8	18°C	LOW
	0838	1200 ml	7.1	2.3	1.7	18°C	LOW

SAMPLE WITHDRAWAL METHOD: MICRO PURGE (BLADDER PUMP)

APPEARANCE OF SAMPLE COLOR: CLEAR

TURBIDITY: LOW

SEDIMENT:

OTHER:

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: VOC-8260 B w/ HCl; TPH-8015 BM w/ H_2SO_4

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3 x 40-ml VIALS; 1 x 1-l AMBER

SAMPLE IDENTIFICATION NUMBER(S): ~~PZ044GW01S01~~ PZØ96GWØ1SØ1

DECONTAMINATION PROCEDURES:

NOTES: Sample taken @ 0841. VOC VIALS FILLS-UP IN ONE MINUTE. DTW = 40.04'(TOC) @ 0915 AFTER SAMPLING

SAMPLED BY: E. SARAO

SAMPLES DELIVERED TO: TRANSPORTERS:

DATE: TIME:

CAPACITY OF CASING (GALLONS/LINEAR FOOT)
2"-0.16•4"-0.65•6"-1.47•8"-2.61•10"-4.08•12"-5.87

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-005 (PT-102)
Job Number:

Total well depth (ft): 26.25'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/10/02
Bailer ID: —
Sample Date: 4/10/02

Static water level (ft): 17.24'
Previous static water level (ft): —
Standing water column (ft): 9.01'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowible 17.56'

Development method: —
Purging method: Micropurge
Sampling method: Micropurge

* All measurements taken from: √ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~DO MD (ppm)~~ DO	~~COLOR~~ ORP	COMMENTS	SAMPLER'S INITIALS
4/10 0935	0							Start pump - purge discharge line	
0940								Connected Horiba - DTW = 17.27 ft	
0946	400	1.41	6.85	20.8	Low/Clear	4.07	207	DTW = 17.27 ft	
0950	800	1.44	6.84	21.1	" "	3.32	202	DTW = 17.27 ft	
0953	1000	1.45	6.84	21.3	" "	3.15	197	DTW = 17.27 ft	
0957	1200	1.45	6.85	21.4	" "	3.23	194	DTW = 17.27 ft	
1000	1450	1.46	6.85	21.3	" "	3.27	191	DTW = 17.27 ft	
1005								Began collecting PF177 PZ005GW01.501 (VOCs, TPH, MT)	
								Final DTW = 17.27 ft	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SSFL
Well Number: PZ-021 (PT-036)
Job Number: —

Total well depth (ft): 31.19'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in
MAX D.D.: 21.81'

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): ~
(less casing and filter pack)

Gauging Date: 4/5/02
Bailer ID: —
Sample Date: 4/5/02

Static water level (ft): 21.49'
Previous static water level (ft): —
Standing water column (ft): 9.70'

Amt. one well vol (gal): —
Total gal. to be purged: ~

Development method: —
Purging method: MicroPurge
Sampling method: MicroPurge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal) mL	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	D.O PID (ppm)	ORP Correct	COMMENTS	SAMPLER'S INITIALS
								START PUMP - PURGE LINES	
7:04	0								DTW: 21.52
7:08								LINES purged - FILLING HORIBA flow. METER	21.62
7:13	200 ml							REDUCED FLOW	21.71
7:20	600	1.15	6.75	11.7	low/clear	3.00	214		21.74
7:24	750	1.15	6.80	12.1	low/clear	2.13	201		21.75
7:28	800	1.15	6.82	12.2	low/clear	2.07	197		21.76
7:32	900	1.14	6.83	12.3	low	2.02	193		
7:35								COLLECT SAMPLE (PZ021GW0502) (VOC's)	
7:42								complete sampling	DTW: 21.78

1/5

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ-027 (PT-064)
Job Number: —

Total well depth (ft): 25.45
Well Diameter (in): 2.0"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/5/02
Bailer ID: —
Sample Date: 4/5/02

Static water level (ft): 18.60'
Previous static water level (ft): —
Standing water column (ft): 6.85'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowed 18.92'

Development method:
Purging method: Micro purge
Sampling method: Micro purge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~DO~~ PID (ppm) D.O	COLOR ORP	COMMENTS	SAMPLER'S INITIALS
4/5 10:14	0				clear			START PUMP PURGE LINE	MODERATE DRAWDOWN
10:20	200				↓			FILLING HORIBA	DTW: 18.62
10:24	500				↓				DTW: 18.64
10:25	600	1.24	7.09	15.4	↓	2.71	125		DTW: 18.65
10:29	800	1.24	7.08	15.5	↓	2.07	90		DTW: 18.66
10:33	1050	1.24	7.07	15.4	↓	1.67	61		DTW: 18.66
10:37	1300	1.26	7.07	15.3	↓	1.48	48		DTW: 18.66
10:40	1400	1.26	7.07	15.4	↓	1.39	45		DTW: 18.66
10:43	1600	1.26	7.07	15.4	↓	1.37	43		DTW: 18.66
10:55								BEGIN COLLECTION (PZ027GW01S01)	(VOCs)
10:59								FINAL DTW	18.66

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ-037 (PT-090)
Job Number: —

Total well depth (ft): 27.99'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/9/02
Bailer ID: —
Sample Date: 4/9/02

Static water level (ft): 18.15'
Previous static water level (ft): —
Standing water column (ft): 9.84'

Amt. one well vol (gal): —
Total gal. to be purged: —
max DD: 18.47

Development method: —
Purging method: MicroPurge
Sampling method: MicroPurge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	~~ORP~~	COMMENTS	SAMPLER'S INITIALS
13:16	0				Clear/low			START PUMP - PURGE LINE	DTW: 18.15
13:20									↓ : 18.18
13:23	200							LINE PURGED	↓ 18:23
13:27	400							moderate to FAST D.D. REDUCED RATE	↓ 18:34
13:38	550	0.700	6.94	25.6	clear/low	5.03	167		↓ 18:41
13:42	600	0.699	6.93	25.8	↓ ↓	4.79	167		↓ 18:43
13:47	700	0.695	6.93	26.2	↓ ↓	4.76	167		↓ 18:44
13:51	750	0.687	6.93	26.6	↓ ↓	4.75	168		↓ 18.45
13:55	800	0.685	6.93	26.5	↓ ↓	4.75	168		↓ 18.46
14:00								COLLECT SAMPLE PT172 (PZ037GW-0501)	(VOC, 1,4 Dioxane)
14:05								FINAL	DTW: 18.55

/4

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SSFL
Well Number: PZ-045 (PT-1115)
Job Number: —

Total well depth (ft): 43.35'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/4/02
Bailer ID: —
Sample Date: 4/4/02

Static water level (ft): 39.22'
Previous static water level (ft): —
Standing water column (ft): 4.13'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Drawdown DTW 39.54

Development method: —
Purging method: Micropurge
Sampling method: Micropurge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PID (ppm)~~	ORP ~~COLOR~~	COMMENTS	SAMPLER'S INITIALS
								Start pump - purge	Discharge line
1424	0								
1439	400	0.676	5.79	23.8	Low/Clear	3.85	48	DTW = 39.48	
1444	550	0.633	5.81	23.5	" "	3.57	36	DTW = 39.48	
1448	650	0.618	5.81	23.7	" "	2.97	36	DTW = 39.52	
1452	750	0.612	5.81	24.0	" "	2.39	35	DTW = 39.54	
1455								Collected PF162 PZ045GW01S01 (VOC's)	

1/4

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SSFL
Well Number: PZ-047 (PT-099)
Job Number:

Total well depth (ft): 39.85'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/4/02
Bailer ID: —
Sample Date: 4/4/02

Static water level (ft): 36.20'
Previous static water level (ft): —
Standing water column (ft): 3.65'

Amt. one well vol (gal): —
Total gal. to be purged: —
max D-D: 36.52

Development method: —
Purging method: MicroPurge
Sampling method: MICRO PURGE

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID~~ DO (ppm)	~~COLOR~~ ORP	COMMENTS	SAMPLER'S INITIALS
13:25	0							START Purge - clear LEVEL	
13:32	200							BEGIN FILLING HORIBA	36.26 DTW
13:40	600	0.857	7.56	23.68	low/clear	8.29	144		36.34
13:45	700	0.839	7.42	24.20	low/clear	6.57	140		36.38
13:50	800	0.842	7.42	24.23	low/clear	6.13	136		36.44
13:54	880	0.843	7.42	24.25	low/clear	6.10	134		36.47
14:00								BEGIN COLLECTING SAMPLE PF161 (PZ047GW01501)	
14:36								FINAL DTW	36.68
								(VOC's, TPH, 1-4 Dioxane)	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SSFL
Well Number: PZ-048 (PT-116)
Job Number: —

Total well depth (ft): 19.45'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/3/02
Bailer ID: —
Sample Date: 4/3/02

Static water level (ft): 7.00'
Previous static water level (ft): —
Standing water column (ft): 12.45'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowable 7.32'

Development method: —
Purging method: Micropurge
Sampling method: Micropurge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal) mL	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PID (ppm)~~ mg/L	~~COLOR~~ ORP (mV)	COMMENTS	SAMPLER'S INITIALS
								START PUMP - PURGE LINES	
1/3 14:18	0								DTW: 7.18
14:28	400	1.21	6.84	18.9	low/clear	2.33	102		DTW: 7.18
14:33	650	1.19	6.83	18.4	low/clear	1.06	94		DTW: 7.17
14:38	950	1.08	6.82	18.2	low/clear	0.85	89		DTW: 7.17
14:43	1100	1.12	6.82	17.9	low/clear	0.79	84		
14:47	1350	1.09	6.82	17.7	low/clear	0.71	79		
14:50								BEGAN COLLECTING PF157 (PZ-048GW015Q1) (VOCs)	
15:01	DECON ; BREAKDOWN								Final DTW: 7.15'

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ-052 (PT-079)
Job Number: —

Total well depth (ft): 31.53
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/5/02
Bailer ID: —
Sample Date: 4/5/02

Static water level (ft): 24.58
Previous static water level (ft): —
Standing water column (ft): 6.95

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowable 24.90 ft

Development method: —
Purging method: MicroPurge
Sampling method: MICRO PURGE

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (~~gal~~) mL	EC (mS/cm)	pH	TEMP (C)	TURBIDITY ~~(NTU)~~	DO ~~mg~~ (ppm) (mg/L)	ORP ~~COLOR~~ (mV)	COMMENTS	SAMPLER'S INITIALS
4/5 8:56	0							START PUMP PURGE LINE	RAPID DRAWDOWN
9:02	200				CLEAR/LOW		REDUCED FLOWRATE	PURGED LINES	DTW: 24.87
9:10	300				↓ ↓			DRAWN BELOW MAX D.B.	DTW: 24.95
—	—							INCREASED FLOW	
9:14	500				CLEAR/LOW				DTW: 25.14
9:16	600	.807	7.53	14.0	↓ ↓	4.05	171		DTW: 25.26
9:19	700	.805	7.53	14.3	↓ ↓	3.19	168		DTW: 25.36
9:23	900	.811	7.52	14.6	↓ ↓	2.87	164		DTW: 25.42
9:27	1100	.817	7.52	15.1	↓ ↓	2.68	160		DTW: 25.52
9:35								BEGIN SAMPLE COLLECTION	
								PZ052GW01502	FINAL DTW 25.64
								(VOC's)	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-055 (PT-057)
Job Number:

Total well depth (ft): 32.52
Well Diameter (in): 2 in.
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/3/02
Bailer ID: —
Sample Date: 4/3/02

Static water level (ft): 31.20
Previous static water level (ft): —
Standing water column (ft): 1.32'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW 31.52

Development method: —
Purging method: Microprurge
Sampling method: Microprurge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~DO PID (ppm)~~ DO	~~COLOR~~ ORP	COMMENTS	SAMPLER'S INITIALS
4/3 0957	∅							Start pump - DTW = 31.20 ft	
~~1056~~ 0956								DTW = 31.30	
1002								DTW = 31.36	
1013								DTW = 31.44	
1020								DTW = 31.50 - ceased pump	
1040	400 ml	2.34	7.53	14.2	Low/Clear	6.31	136	Start pump DTW = 31.51	
1044	420 ml	2.35	7.53	14.2	Low/Clear	6.33	137		
1047	425 ml	2.34	7.53	14.3	" "	6.38	138	DTW = 31.53	
1050	435 ml	2.31	7.54	14.4	" "	6.38	138	" "	
1055								Began sampling PF155 PZ055GW0315∅1 (VOC(s) Tritium	
								Finished sampling	
1105								DTW = 31.57 ft	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-055 (PT-057)
Job Number: _____

Total well depth (ft): _____
Well Diameter (in): _____
Borehole Diameter (in): _____

Min. Number Well Volumes to be Purged: _____
Vol. per ft casing (gal): _____
Vol. per ft borehole (gal): _____
(less casing and filter pack)

Gauging Date: _____
Bailer ID: _____
Sample Date: _____

Static water level (ft): _____
Previous static water level (ft): _____
Standing water column (ft): _____

Amt. one well vol (gal): _____
Total gal. to be purged: _____

Development method: _____
Purging method: _____
Sampling method: _____

* All measurements taken from: ___ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
0835								Bailed & collected sample PZ055 GW01S01 (Gross A+B, Gamma)	

4/4

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ-072 (PT-060)
Job Number: —

Total well depth (ft): 20.48
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/3/02
Bailer ID: —
Sample Date: 4/3/02

Static water level (ft): 4.82
Previous static water level (ft): —
Standing water column (ft): 15.66'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowed 5.14'

Development method: —
Purging method: Microprge
Sampling method: Microprge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PID (ppm)~~ (mg/L)	ORP ~~COLOR~~ (mV)	COMMENTS	SAMPLER'S INITIALS
								Start pump - purge line	
4/3 0815	0							Horiba full - DTW = 4.85 ft	
0825	400	2.67	6.79	11.5	Low/Clear	5.20	139	DTW = 4.85 ft	
0830	500	2.63	6.84	11.8	"	1.69	131	" "	
0835	850	2.61	6.84	12.0	"	0.94	125	" "	
0838	950	2.54	6.84	12.1	"	1.06	122	" "	
0841	1,00	2.61	6.85	12.1	"	1.05	120	" "	
0843	1200	2.62	6.85	11.9	"	0.99	118	" "	
0845								Collected PF154 PZ072GW0154 (VOCs) - water level steady	

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ-082 (PF-024)
Job Number: —

Total well depth (ft): 23.69'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/2/02
Bailer ID: —
Sample Date: 4/2/02

Static water level (ft): 19.43'
Previous static water level (ft): —
Standing water column (ft): 4.26'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowable 19.75'

Development method: —
Purging method: Microprge
Sampling method: Microprge

* All measurements taken from: ___ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PID (ppm)~~	ORP ~~COLOR~~	COMMENTS	SAMPLER'S INITIALS
1355	0							Start pump - DTW=	19.44 ft
1410	400	1.03	7.19	22.7	Low/Clear	3.21	-149	DTW= 19.46	
1415	600	0.902	7.18	22.1	Low/Clear	1.84	-152	DTW= 19.46	
1420	750	0.882	7.17	22.0	Low/Clear	1.17	-152	DTW= 19.46	
1425	950	0.879	7.15	21.9	Low/Clear	0.97	-152	DTW= 19.46	
1430	1150	0.859	7.17	22.1	Low/Clear	0.87	-152	" " - stirred DO probe	
1435	1350	0.857	7.16	22.1	Low/Clear	0.99	-151	" "	
1440	1550	0.842	7.17	21.8	Low/Clear	0.71	-151	" "	
1445	1750	0.842	7.14	21.7	Low/Clear	0.71	-150	" "	
1450	1950	0.839	7.23	21.5	Low/Clear	0.68	-151	" "	
1455								Collected PF-153	
								PZ082GW01S01 (As)	
								- water level steady @ 19.46 ft	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-100 (PT-113)
Job Number:

Total well depth (ft): 19.50'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/4/02
Bailer ID: —
Sample Date: 4/4/02

Static water level (ft): 18.48'
Previous static water level (ft): —
Standing water column (ft): 1.02'

Amt. one well vol (gal): ~
Total gal. to be purged: —
Max DTW allowable 18.80'

Development method: —
Purging method: MICROPURGE
Sampling method: MICROPURGE
18.80 = max DRAWDOWN

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

	TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY ~~(NTU)~~	DO ~~PID~~ (ppm)	ORP ~~COLOR~~	COMMENTS	SAMPLER'S INITIALS
									START Pump - PURGE LINE	
4/4	11:57								Initial Parameters	
	12:09	~80	1.58	6.94	25.34	low	10.5	184		18.65 DTW
	12:15	~150								18.71 ↓
	12:22	~~~650~~	1.62	7.58	25.60	low/clear	8.18	146		
	12:25	~800	1.60	7.60	26.27	low/clear	7.30	141		18.71 DTW
	12:28	~850	1.60	7.62	26.86	low/clear	6.79	137		
	~~12:31~~ DWC									
	12:31								BEGIN COLLECTING SAMPLE.	PF160
									PZ100GW0150	(VOC's)
									Bailed + collected sample	- PF173
4/9	1430								PZ100GW0150	(Perc, Rad)

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-103 (PT-101)
Job Number:

Total well depth (ft): 38.00'
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/9/02
Bailer ID: —
Sample Date: 4/9/02

Static water level (ft): 22.06'
Previous static water level (ft): —
Standing water column (ft): 15.94'

Amt. one well vol (gal): —
Total gal. to be purged: —
max DD: 22.38'

Development method: —
Purging method: MicroPurge
Sampling method: MicroPurge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (ppm) (mg/L)	ORP (mV)	COMMENTS	SAMPLER'S INITIALS
								START PUMP - PURGE LINE	
4/9 8:14	0								
8:34	700	1.43	7.19	13.4	Clear/Low	5.28	217		DTW: 22.11
8:38	1100	1.45	7.19	13.8	↓ ↓	4.04	211		DTW: 22.11
8:42	1300	1.46	7.19	14.1	↓ ↓	3.90	207		DTW: 22.12
8:46	1450	1.46	7.19	14.2	↓ ↓	3.86	205		DTW: 22.12
8:50	1600	1.46	7.19	14.4	↓ ↓	3.84	202		
8:55								BEGIN COLLECTION SAMPLE (PZ103GW0150)	JE (PZ103GW0201 DUPLICATES & SPLITS)
—								complete COLLECTION Final	ATW 22.12
11:15								PZ103GW0150 - PF167	
0855								(VOC, SVOC, TPH, Mt, RAD)	
								PZ103GW0201 - PF168, dup	
0915								(VOC, Rad)	
								PZ103GW0150 - PC015, split (VOCs)	

0930

Final DTW = 22.12'

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-104 (PT-087)
Job Number: —

Total well depth (ft): 30.55'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/10/02
Bailer ID: —
Sample Date: 4/10/02

Static water level (ft): 20.64'
Previous static water level (ft): —
Standing water column (ft): 9.91'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowable 20.96'

Development method: —
Purging method: Micropurge
Sampling method: Micropurge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
4/10 1124	0				Clear/Low			Start pump - purged line ~~DTW~~	DTW = 20.73'
1131	200				" "				DTW = 20.74'
1134	350				" "				DTW = 20.79'
1140	750	1.70	7.17	25.4	" "	7.68	178		DTW = 20.81'
1144	900	1.71	7.12	25.5	" "	6.89	175		DTW = 20.84'
1148	1200	1.71	7.12	25.4	" "	6.72	171		DTW = 20.85'
1152	1400	1.70	7.11	25.5	" "	6.72	169		
1155								Began collecting sample - PF178 PZ104GWD1S01	(VOC, SVOC, TPH, MT, Rad,
								Began collecting sample - PF179 (dup) PZ104GWD1D01	(VOC, SVOC, TPH, MT, Rad,
1300									
								Began collecting sample - PC017 (split)	
1400								PZ104GWD1S01 (VOC, SVOC, TPH, MT)	

Final DTW = 21.03 ft

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-105 (PT-028)
Job Number: —

Total well depth (ft): 30.55'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/9/02
Bailer ID: —
Sample Date: 4/9/02

Static water level (ft): 17.27'
Previous static water level (ft): —
Standing water column (ft): 13.28'

Amt. one well vol (gal): —
Total gal. to be purged: —
max DD : 17.59

Development method: —
Purging method: MicroPurge
Sampling method: MicroPurge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PURE~~ (ppm)	ORP ~~COLOR~~	COMMENTS	SAMPLER'S INITIALS
								START PUMP - PURGE LINE.	RAPID DRAWDOWN
4/9 11:45	0				Low/clear				DTW: 17.56
11:59	200							RAPID DRAW DOWN	DTW: 17.59
12:05	600	0.883	7.62	24.7	clear/Low	6.97	151		DTW: 17.62
12:09	650	0.886	7.61	24.8	↓ ↓	7.07	150		DTW: 17.64
12:13	700	0.896	7.60	24.7	↓ ↓	6.97	149		DTW: 17.65
12:17	750	0.904	7.60	24.5	↓ ↓	7.17	148		DTW: 17.67
12:21	800	0.905	7.60	24.5	↓ ↓	7.15	147	BEGIN COLLECTING SAMPLE (PZ105GW01E01)	(VOCs, RAD)
12:25								Final DTW = 18.52	ft

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-106 (FT-070)
Job Number: —

Total well depth (ft): 31.40'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/3/02
Bailer ID: —
Sample Date: 4/3/02

Static water level (ft): 14.50'
Previous static water level (ft): —
Standing water column (ft): 16.90'

Amt. one well vol (gal): —
Total gal. to be purged: —
MAX ΔTW: 14.82'

Development method: —
Purging method: Pump
Sampling method: Pump Micropurge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal) mL	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PID (ppm)~~ mg/L	ORP ~~COLOR~~ (mV)	COMMENTS	SAMPLER'S INITIALS
								START PUMP - PURGE LINES	
11:55	Ø							BEGIN FILLING PARAMETERS	
11:59									DTW 14.58
12:05	400	0.791	7.01	20.3	(-2.2) low	4.87	144		DTW 14.59
12:10	650	0.792	7.07	20.4	Low/clear	4.53	140		DTW: 14.58
12:16	900	0.798	7.0	20.3	Low/clear	2.90	135		14.59
12:21	1000	0.793	6.99	20.2	low / clear	2.23	133		14.59
12:26	1200	0.791	6.99	20.4	low/clear	1.69	130		
12:30								BEGIN COLLECTING PF156 SAMPLES	
13:30	Complete Sampling - DECON & BREAKDOWN							PZ106GW01501 (VOC's, TPH, RAD)	
								DTW = 14.55 ft	

13

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-108 (PT-108)
Job Number: —

Total well depth (ft): 26.30'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/10/02
Bailer ID: —
Sample Date: 4/10/02

Static water level (ft): ~~12.92'~~ 12.65'
Previous static water level (ft): —
Standing water column (ft): 13.65'

Amt. one well vol (gal): —
Total gal. to be purged: —
MAX DD 12.97

Development method: —
Purging method: MicroPurge
Sampling method: MicroPurge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PID~~ (ppm)	ORP ~~COLOR~~	COMMENTS	SAMPLER'S INITIALS
4/10 7:36	0				low			START PUMP	positive air pressure in well.
7:42	200				low/clear			RAPID DRAW DOWN	
7:50	400				↓ ↓				DTW 12.96
7:52	500				↓ ↓			Reduced Flow Rate	↓ 12.99
7:56	600	1.23	7.32	13.3	↓ ↓	8.51	204	Increased Flow Rate	↓ 13.10
8:00	1100	1.22	7.28	14.3	↓ ↓	8.46	203		↓ 13.26
8:04	1250	1.22	7.29	15.1	↓ ↓	8.49	200		↓ 13.40
8:08	1400	1.23	7.30	15.8	↓ ↓	8.36	197		↓ 13.55
8:12	1600	1.23	7.30	16.1	↓ ↓	8.39	196		↓ 13.62
→ 8:16	—							(Dup & SPLIT) Begin Sampling (see below)	
9:03	—							FINAL	DTW 14.94
0816								Began collecting sample - PF175 PZ108GW01SD1 (VOCs, Rad)	
0840								Began collecting sample - PF176 (dup) PZ108GW01SD1 (VOC, Rad)	
0900								Began collecting sample - PF016 (split) PZ108GW01SD1 (VOC)	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-109 (PF-103)
Job Number: —

Total well depth (ft): 35.45'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/11/02
Bailer ID: —
Sample Date: 4/11/02

Static water level (ft): 18.40'
Previous static water level (ft): —
Standing water column (ft): 17.05'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowable 18.72'

Development method: —
Purging method: Micropurge
Sampling method: Micropurge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
4/11									
0721	0							Start pump - purged line	
0730	200				Low/Clear				DTW = 18.65'
0731	250				" "			Reduced flow	DTW = 18.72'
0734	400				" "			Increased flow	
0736	600	1.22	7.92	15.9	" "	5.69	180		DTW = 18.94'
0740	900	1.23	8.02	16.3	" "	5.34	177		DTW = 19.12'
0744	1200	1.25	7.99	16.5	" "	5.22	172	Reduced flow	DTW = 19.35'
0748	1250	1.25	8.02	16.1	" "	5.21	169		DTW = 19.40'
0752	1300	1.26	8.04	16.0	" "	5.25	167		DTW = 19.44'
0756								Began collecting sample - PF180 PZ109GW0150101 (VOC, Rad)	
								Began collecting sample - PF181 (dup) PZ109GW0101D01 (VOC, Rad)	
0810									
0820								Began collecting sample - PL018 (split) PZ109GW0150101 (VOC)	

Final DTW = 21.59 ft

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ-109 (PT-025)
Job Number: ~

Total well depth (ft): 39.45'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: ~
Vol. per ft casing (gal): ~
Vol. per ft borehole (gal): ~
(less casing and filter pack)

Gauging Date: 4/11/02
Bailer ID: ~
Sample Date: 4/11/02

Static water level (ft): 23.87'
Previous static water level (ft): ~
Standing water column (ft): 15.58'

Amt. one well vol (gal): ~
Total gal. to be purged: ~
Max DTW allowable 23.99'

Development method: ~
Purging method: Microprge
Sampling method: Microprge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
4/11									
0948	Ø							Start pump - purged line	
1002								Restarted pump (pump problem)	
1006					Low/Clear			Rapid drawdown - reduced flow	
									DTW=23.98'
					Low/Clear			Inc. flow - v. slow recharge	24.02'
1013	200								24.32'
1021	600	0.93	6.81	24.3	" "	4.75	-39		DTW= 24.44'
1025	850	0.96	6.81	24.4	" "	4.41	-43		DTW=24.50'
1030	1000	0.96	6.81	29.7	" "	2.51	-46		DTW=24.56'
1035	1200	0.96	6.81	25.2	" "	2.59	-48		DTW=24.60'
1039	1400	0.97	6.81	25.2	" "	2.57	-50		
1044								Began collecting sample - PF183	DTW=24.60'
								PZ09GWB15Ø1	
1058	Completed sampling							(As)	
								Final DTW = 24.60'	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-112 (PT-058)
Job Number: —

Total well depth (ft): 37.30'
Well Diameter (in): 2 in.
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/4/02
Bailer ID: —
Sample Date: 4/4/02

Static water level (ft): 26.20'
Previous static water level (ft): —
Standing water column (ft): 11.10'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW allowed 26.52

Development method: —
Purging method: microPurge
Sampling method: microPurge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal) mL	EC (mS/cm)	pH	TEMP (C)	~~TURBIDITY~~ (NTU)	DO (mg/L)	ORP ~~SOLOR~~ (mV)	COMMENTS	SAMPLER'S INITIALS
								START PUMP - PUMP FAILURE	
4/4 7:33	0							RE-START PUMP	
7:57	0							DRAWN DOWN TO MAX DTW @ LOWEST SETTING. INCREASED FLOW	DTW: 26.52
8:20	≈400 mL								DTW: 26.69
8:29	600	1.36	7.11	13.52	low/clear	14.01	238		↓ 26.78
8:33	650	1.37	7.15	13.68	low/clear	11.60	233		↓ 26.85
8:37	750	1.37	7.16	13.97	low/clear	10.83	229		26.95
8:42	850	1.38	7.18	14.27	low/clear	10.79	223		
8:45								COLLECT SAMPLE	PF158
9:30								END SAMPLE. FINAL DTW: 27.47	
								PZ112GW01S01	CVOCs, Rad's

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: SSFL
Well Number: PZ-114 (PT-054)
Job Number: –

Total well depth (ft): 50.70'
Well Diameter (in): 2 in.
Borehole Diameter (in): 8 in.
DRAW-DOWN MAX-DTW: 50.03'

Min. Number Well Volumes to be Purged: –
Vol. per ft casing (gal): –
Vol. per ft borehole (gal): –
(less casing and filter pack)

Gauging Date: 4/4/02
Bailer ID: –
Sample Date: 4/4/02

Static water level (ft): 49.71'
Previous static water level (ft): –
Standing water column (ft): 0.99'

Amt. one well vol (gal): –
Total gal. to be purged: –

Development method:
Purging method: MICROPURGE
Sampling method: MICROPURGE

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

	TIME	AMOUNT PURGED (gal) ML	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PID (ppm)~~ mg/L	ORP ~~COLOR~~ (+mV)	COMMENTS	SAMPLER'S INITIALS
									START PUMP	
4/4	10:21	~~0~~							REDUCED FLOW	
	10:40									49.84 DTW
	10:45	~200				low/clear				49.86 ↓
	11:06									49.80 ↓
	11:21	~500	1.46	6.85	16.26	clear	11.87	196		
	1122								Ceased pumping - broke suction	
									Bailed + collected sample - PF164	
4/5	0810								PZ114GW0815D1 (VOCs)	
									Bailed + collected sample - PF174	
4/9	1455								PZ114GW0815D1 (PCBs)	
									Bailed + collected sample - PF182	
4/11	0915								PZ114GW0815D1 (Metals)	

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ-117 (PT-128)
Job Number: —

Total well depth (ft): 28.10'
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 4/2/02
Bailer ID: —
Sample Date: 4/2/02

Static water level (ft): 26.41'
Previous static water level (ft): —
Standing water column (ft): 1.69'

Amt. one well vol (gal): —
Total gal. to be purged: —
Max. Drawdown 26.73

Development method: —
Purging method: Micropurge
Sampling method: Bladder Pump Micropurge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO mg/L	~~COLOR~~ ORP mV	COMMENTS	SAMPLER'S INITIALS
4/2 1003								Started pump	
1020								DTW = 26.42	
1100								Restart pump	
1110	200 ml							DTW = 26.55	
1122	600 ml	1.61	7.39	23.3	Low/Clear	7.64	149	DTW = 26.67	
1127		1.62	7.34	23.3	Low/Clear	7.51	151		
1132	700 ml	1.61	7.34	23.6	Low/Clear	7.41	153	DTW = 26.68	
1137		1.56	7.31	23.8	Low/Clear	7.36	152		
1200								Began collecting PF+152 PZ117GW01SQ1 (perc, vols, mt)	
								- water level still falling @ rate of 1 ml/min	
								Finished sampling	
1245								DTW = 26.90 ft	

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ-037 (PT-090)
Job Number:

Total well depth (ft): 27.98 ft
Well Diameter (in): 2 in
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 8/22/02
Bailer ID: —
Sample Date: 8/22/02

Static water level (ft): 21.78 ft
Previous static water level (ft): —
Standing water column (ft): 6.20 ft

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DD 22.10 ft

Development method: —
Purging method: Micropurge
Sampling method: Micropurge

* All measurements taken from: Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~DO (PPM)~~ DO	~~COLOR~~ ORP	COMMENTS	SAMPLER'S INITIALS
1505	0							Started pump	Q = 6 cycles/min
1510								DTW = 21.82 ft	
1512								DTW = 21.85 ft	
1515	400 mL	0.626	6.89	29.3	-7.6/Clear	5.80	135	DTW = 21.91 ft	
1519	600 mL	0.645	6.83	28.0	-6.8/Clear	4.46	127	DTW = 21.98 ft	
1523	800 mL	0.647	6.84	27.9	-6.7/Clear	4.13	122	DTW = 22.05 ft	↓Q to 4 cycles/min
1527	900 mL	0.647	6.89	28.2	-6.6/Clear	4.06	120	DTW = 22.09 ft	
1530								Began collecting sample PF191	
								PZ037GW021502 (1-4 Dissolved)	
1540								Final DTW = 22.15 ft	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SSFL
Well Number: PZ-047 (PT-099)
Job Number:

Total well depth (ft): 39.85 ft
Well Diameter (in): 2 in.
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: —
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 8/22/02
Bailer ID: —
Sample Date: 8/22/02

Static water level (ft): 30.55 ft
Previous static water level (ft): —
Standing water column (ft): 9.30 ft

Amt. one well vol (gal): —
Total gal. to be purged: —
Max. DD 30.87

Development method: —
Purging method: micropurge
Sampling method: micropurge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO ~~PID (ppm)~~ mg/L	ORP ~~COLOR~~ mV	COMMENTS	SAMPLER'S INITIALS
1325	0							Started pump	6 cycles/min
1327	200 ml	1.23	7.02	22.6	5.5/clear	9.06	38 ~~Clear~~ 160	DTW = 30.60	
1330	400 ml	1.23	6.96	22.4	7.5/clear	6.62	152	DTW = 30.72	
1334	700 ml	1.20	7.05	~~13.2~~ 23.1	~~13.1~~ ~~8.1~~ /clear	5.35	143	DTW = 30.80	↓Q to 1 cycle/min
1340	750 ml	1.16	7.31	25.4	~~ons~~ 10.2	5.01	133	DTW = 30.81	↑Q to 3 cycles/min
1345	850 ml	1.18	7.38	25.4	14.9/clear	5.26	131	DTW = 30.86	
1350								Began collecting sample PF19D	
								PZ047GW0815D1	(1-4 Dioxane)
1355								Final DTW = 30.92 ft	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: EEL
Well Number: PZ-030
Job Number: —

Total well depth (ft): 30.20
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 2/21/03
Bailer ID: —
Sample Date: 2/21/03

Static water level (ft): 28.48
Previous static water level (ft): —
Standing water column (ft): 1.72

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 28.80

Development method: —
Purging method: —
Sampling method: bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1320								Attempted to bail sample	
								Collected sample PZ030GW01SX01	
								PF195 - perc	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: CTL-III N
Well Number: PZ-002G
Job Number: –

Total well depth (ft): 78.47
Well Diameter (in): multi level
Borehole Diameter (in): 8-in

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack) ↓

Gauging Date: 3/28/03
Bailer ID: –
Sample Date: 3/28/03

Static water level (ft): 20.41
Previous static water level (ft): –
Standing water column (ft): 58.06

Amt. one well vol (gal): –
Total gal. to be purged: –
Max DTW = 20.73

Development method: –
Purging method: –
Sampling method: check ball tubing.

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1250								Collected sample	
								PZ002GV1[illegible]	[illegible]

MWH
MONTGOMERY WATSON HARZA

Client: RD
Site: CTL-II N
Well Number: P2-002D
Job Number: —

Total well depth (ft): 36.63
Well Diameter (in): multi level
Borehole Diameter (in): 8-in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 3/28/03
Bailer ID: —
Sample Date: 3/28/03

Static water level (ft): 20.20
Previous static water level (ft): —
Standing water column (ft): 16.43

Amt. one well vol (gal): —
Total gal. to be purged: —
MAX DTW = 20.52

Development method: —
Purging method: —
Sampling method: check ball tubing.

* All measurements taken from: ___ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1245								Collected Sample	
								P2002GW04501	(pwc)

MWH
MONTGOMERY WATSON HARZA

Client: & NASA
Site: Delta / PLF
Well Number: PZ-004A
Job Number: —

Total well depth (ft): 18.60
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/9/03
Bailer ID: —
Sample Date: 4/9/03

Static water level (ft): 12.01
Previous static water level (ft): —
Standing water column (ft): 6.59

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown 12.33

Development method: —
Purging method: Lo Flo
Sampling method: Lo Flo

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
9:57	0								
9:54	200ml	0.063	6.96	17.04	Low	7.94	Clear		DTW 12.07
9:58	425ml	0.379	4.81	17.37	Low	4.36	Clear		DTW 12.10
10:00	600ml	0.603	4.86	17.17	"	3.05	"		DTW 12.12
10:04	750ml	0.677	4.90	17.09	"	2.16	"		DTW 12.12
10:06	900ml	0.712	4.90	17.08	"	1.67	"		DTW 12.13
10:08	1050ml	0.724	4.90	17.12	"	1.43	"		DTW 12.13
10:10								Collected Sample PZ004A6W01S01 (SVOCs+DRO, TPH, VOC, Metals Perchlorate)	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: ECL
Well Number: PZ-006C
Job Number: –

Total well depth (ft): 17.68
Well Diameter (in): multi level
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 3/28/03
Bailer ID: –
Sample Date: 3/28/03

Static water level (ft): 6.19
Previous static water level (ft): –
Standing water column (ft): 11.49

Amt. one well vol (gal): –
Total gal. to be purged: –
MAX DTW = 6.46

Development method: –
Purging method: –
Sampling method: check ball tubing.

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1155								Collected sample	
								PZ006GW035(D)	(pen)

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: ECL
Well Number: PZ-006D
Job Number: —

Total well depth (ft): 23.65
Well Diameter (in): multi level
Borehole Diameter (in): 8-in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 3/28/03
Bailer ID: —
Sample Date: 3/28/03

Static water level (ft): 6.13
Previous static water level (ft): —
Standing water column (ft): 17.52

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 6.45

Development method: —
Purging method: —
Sampling method: check ball tubing.

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1210								Collected Sample PZ006GW0345D1	(per)

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: LETFS
Well Number: PZ-012C
Job Number:

Total well depth (ft): 19.52
Well Diameter (in): multi level
Borehole Diameter (in): 8-in

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 3/28/03
Bailer ID: —
Sample Date: 3/28/03

Static water level (ft): 12.01
Previous static water level (ft): —
Standing water column (ft): 7.51

Amt. one well vol (gal): ~
Total gal. to be purged: ~
Max DTW = 12.33

Development method: —
Purging method: —
Sampling method: check ball ~~tubing~~.

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1315								Collected sample	
								PZ012GW0335(D)	(perc)

MWH
MONTGOMERY WATSON HARZA

Client: RD
Site: LETF S
Well Number: PZ-012F
Job Number: —

Total well depth (ft): 37.42 ft
Well Diameter (in): multi level
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ____
Vol. per ft borehole (gal): ____
(less casing and filter pack)

Gauging Date: 3/28/03
Bailer ID: —
Sample Date: 3/28/03

Static water level (ft): 22.40
Previous static water level (ft): —
Standing water column (ft): 16.43

Amt. one well vol (gal): —
Total gal. to be purged: —
Mark DTW = 22.72

Development method: —
Purging method: —
Sampling method: check ball tubing.

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1325								Collected sample PZ012GW0650301	(per)

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: ComplA
Well Number: PZ-013F
Job Number: —

Total well depth (ft): 53.66
Well Diameter (in): multi level
Borehole Diameter (in): 8-in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 3/28/03
Bailer ID: —
Sample Date: 3/28/03

Static water level (ft): 24.85
Previous static water level (ft): —
Standing water column (ft): 28.81

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW= 25.17

Development method: —
Purging method: —
Sampling method: check ball tubing.

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1050								Collected sample PZ013GW0603	(pac)

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Comp A
Well Number: PZ-014D
Job Number: —

Total well depth (ft): 29.29
Well Diameter (in): multi level
Borehole Diameter (in): 8-in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack) ↓

Gauging Date: 3/28/03
Bailer ID: —
Sample Date: 3/28/03

Static water level (ft): 25.24
Previous static water level (ft): —
Standing water column (ft): 4.05

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 25.56

Development method: —
Purging method: —
Sampling method: check ball to bing.

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1000								Collected sample PZ014GW0315Ø4	(pere)

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Comp A
Well Number: PZ-014E
Job Number: —

Total well depth (ft): 38.60
Well Diameter (in): multi level
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 3/28/03
Bailer ID: —
Sample Date: 3/28/03

Static water level (ft): 25.32
Previous static water level (ft): —
Standing water column (ft): 13.28

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 25.64

Development method: —
Purging method: ——
Sampling method: check ball tubing.

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1017								Collected Sample	
								PZ0146W01505	(pesc)

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: STL-IV
Well Number: PZ-015G
Job Number: —

Total well depth (ft): 50.60
Well Diameter (in): multi level
Borehole Diameter (in): 8-in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): /
Vol. per ft borehole (gal): /
(less casing and filter pack)

Gauging Date: 3/28/03
Bailer ID: —
Sample Date: 3/28/03

Static water level (ft): 22.40
Previous static water level (ft): —
Standing water column (ft): 28.20

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 22.72

Development method: —
Purging method: —
Sampling method: check ball tubing

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
0940								Collected sample PZ05GW0150702	(perc, VOC's)
								Used check ball valve system	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Coca
Well Number: PZ-017A
Job Number: —

Total well depth (ft): 17.65
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 5/29/03
Bailer ID: —
Sample Date: 5/29/03

Static water level (ft): 1.36
Previous static water level (ft): —
Standing water column (ft): 16.29

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 1.68

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) Bz / TMS	COLOR	COMMENTS	SAMPLER'S INITIALS
1003								start pumping @ 5 GPM	
1008								DTW = 1.43	
1014	130 ml							DTW = 1.44	
1017	280 ml	0.499	6.16	30.53	Low	2.02/0.3	clear	DTW = 1.45	
1023	470 ml	0.590	6.18	30.33	"	1.18/0.4	"	DTW = 1.45	
1028	650 ml	0.623	6.18	30.21	"	0.77/0.4	"	DTW = 1.45	
1035	850 ml	0.635	6.18	30.14	"	0.57/0.4	"	DTW = 1.45	
1043								collect: PZ017GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Coca
Well Number: PZ-017B
Job Number: —

Total well depth (ft): 25.00
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 5/24/03
Bailer ID: —
Sample Date: 5/25/03

Static water level (ft): 13.27
Previous static water level (ft): —
Standing water column (ft): 11.73

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 13.59

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1150	0							start pumping @ 6 CPM	
1155	110 ml							DTW = 13.76 ↓Q 5 CPM	
1157	230 ml							DTW = 13.89	
1200	340 ml	0.657	6.31	31.71	Low	1.34/0.4	clear	DTW = 14.00 ↓Q 4 CPM	
1203	500 ml	0.673	6.35	31.03	"	0.96/0.4	"	DTW = 14.22	
1207	720 ml	0.679	6.38	30.60	"	0.63/0.4	"	DTW = 14.54	
1212								collect: PZ017B 0502501	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: RD-9 Area
Well Number: PZ-019
Job Number: —

Total well depth (ft): 32.18
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 30.45
Previous static water level (ft): —
Standing water column (ft): 1.73

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 30.77

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0947	0							start pumping @ 6 GPM	
0950	0							DTW = 30.49	
0953	25ml							DTW = 30.53	
0955	220ml							DTW = 30.61	
0958	300ml	0.394	6.26	16.24	Low	4.15/0.3	clear	DTW = 30.64	
1002	500ml	0.454	6.09	16.24	"	3.26/0.3	"	DTW = 30.68	
1005	620ml	0.483	6.11	16.27	"	2.78/0.3	"	DTW = 30.72	
1007	800ml	0.495	6.12	16.29	"	2.53/0.3	"	DTW = 30.77	
1015								collect PZ-09 GW	0150J

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: RD-9 Area
Well Number: PZ-022
Job Number: —

Total well depth (ft): 30.92
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 28.77
Previous static water level (ft): —
Standing water column (ft): 2.15

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW=29.09

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0853	0							start pumping @ 6CPM	
0855	0							DTW = 28.81 Q↓4CPM	
0857	100 ml							DTW = 28.85	
0900	220 ml							DTW = 28.91	
0903	300 ml	0.702	6.35	15.00	Low	5.20/0.5	clear	DTW = 28.96	
0905	480 ml	0.934	6.32	15.68	"	4.14/0.6	"	DTW = 28.99	
0907	600 ml	0.986	6.33	15.71	"	3.90/0.6	"	DTW = 29.05 Q↓3CPM	
0910	700 ml	1.000	6.33	15.64	"	3.75/0.6	"	DTW = 29.07	
0915								collect: PZ-022GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: ECL
Well Number: PZ-023
Job Number: —

Total well depth (ft): 19.08
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 4/4/03
Bailer ID: —
Sample Date: 4/4/03

Static water level (ft): 10.44
Previous static water level (ft): —
Standing water column (ft): 8.64

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable drawdown 10.72

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
9:05	0								
9:08	200ml	0.04	6.17	13.00	low	9.06	clear		DTW 10.50
9:11	400ml	0.550	5.98	13.35	"	6.68	"		DTW 10.55
0914	600ml	0.925	6.23	14.00	"	5.62	"		DTW 10.59
0917	800 ml	1.052	6.30	14.76	"	4.72	"		DTW 10.65
0918								Q↓ 3 CPM	
0921	975ml	1.102	6.29	15.72	Low	3.70	Clear		DTW 10.71
0922								Q↓ 1 CPM	DTW 10.72
0927	1075ml	1.127	6.29	16.30	"	3.42	"		
0935								Collected Sample PZ023G-W05S01 VOCs	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: ECL
Well Number: PZ-023
Job Number: —

Total well depth (ft): 19.42
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 11.83
Previous static water level (ft): —
Standing water column (ft): 7.59

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 12.15

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) BZ/TCE	COLOR	COMMENTS	SAMPLER'S INITIALS
0735									
0737	50 ml							start pumping @ 6 GPM	
0743	200 ml							DTW = 11.94 @ 3 GPM	
0747	280 ml	0.880	6.66	14.28	LOW	3.55/0.6	clear	DTW = 12.03	
0750	370 ml	0.958	6.65	14.31	"	3.03/0.6	"	DTW = 12.06	
0753	500 ml	1.048	6.63	14.71	"	2.48/0.7	"	DTW = 12.09	
0755	520 ml	1.083	6.63	14.31	"	2.32/0.7	"	DTW = 12.12	
0800								DTW = 12.17	
								collect: PZ-023	GW01501

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: ECL
Well Number: PZ-025
Job Number: —

Total well depth (ft): 25.10
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 17.44
Previous static water level (ft): —
Standing water column (ft): 7.66

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 17.76

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) @5/ TOC	COLOR	COMMENTS	SAMPLER'S INITIALS
0825	0							start pumping @ 6CPM	
0830	290 ml	0.882	6.70	15.55	Low	4.00/0.6	clear	DTW = 17.62	
0833	350 ml	1.047	6.76	15.42	"	3.41/0.7	"	DTW = 17.67 @ 3CPM	
0836	550 ml	1.263	6.86	15.49	"	2.42/0.8	"	DTW = 17.71	
0840	600 ml	1.276	6.87	15.49	"	2.39/0.8	"	DTW = 17.82	
0850								collect: PZ-025GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: ECL
Well Number: PZ-026
Job Number: —

Total well depth (ft): 27.38
Well Diameter (in): 2-in
Borehole Diameter (in): 8-in

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 7.56
Previous static water level (ft): ~
Standing water column (ft): 19.82

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 7.88

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0952								start pumping @ 4 GPM	
0955	25 ml							DTW = 7.63' Q↓ 3 GPM	
0957	225 ml							DTW = 7.61 Q↑ 4 GPM	
1000	300 ml	0.952	6.72	15.82	Low	2.10/0.6	clear	DTW = 7.62	
1003	450 ml	1.037	6.74	15.79	"	1.42/0.7	"	DTW = 7.63	
1005	620 ml	1.074	6.75	15.79	"	1.10/0.7	"	DTW = 7.65	
1008	900 ml	1.097	6.76	15.80	"	0.84/0.7	"	DTW = 7.64	
1015								collect: PZ-026	GW01501

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: EEL/Canoga and A
Well Number: PZ-029
Job Number: —

Total well depth (ft): 32.55
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/4/03
Bailer ID: —
Sample Date: 4/4/03

Static water level (ft): 20.29
Previous static water level (ft): —
Standing water column (ft): 12.26

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown: 20.61

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ~~Top~~ of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~Dissolved Oxygen~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
12:10	0								
12:13	200ml	0.048	6.65	15.26	Low	7.98	clear		DTW 20.38
12:16	400ml	0.493	6.35	15.68	"	4.63	"	Q↓1 GPM	DTW 20.60
12:23	500ml	0.610	6.46	15.46	"	3.48	"		DTW 20.68
12:24				↓				Q↑6 GPM	
12:27	650ml	0.680	6.51	15.76	Low	3.10	clear		DTW 20.83
12:29	825ml	0.711	6.54	15.60	"	2.64	"		DTW 20.98
12:31	1000ml	0.718	6.53	15.70	"	2.29	"		DTW 21.10
12:35								Collected Sample PZ029 GW01 SO1 Perchlorate	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: EEL/Comp A
Well Number: PZ-029
Job Number: ———

Total well depth (ft): 32.54
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 6/2/03
Bailer ID: —
Sample Date: 6/2/03

Static water level (ft): 20.06
Previous static water level (ft): —
Standing water column (ft): 12.48

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 20.38

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1425	0							start pumping @6GPM	
1438	50ml							DTW = 20.22 Q↓3GPM	
1443	100ml							DTW = 20.27	
1446	200ml							DTW = 20.38	
1450	250ml	0.434	6.90	34.38	Low	2.72/0.3	clear	DTW = 20.42	
1444	280ml	0.506	6.93	34.67	"	2.11/0.3	"	DTW = 20.47	
1500	300ml	0.547	6.93	34.40	"	2.10/0.4	"	DTW = 20.48	
1503	330ml	0.564	6.94	34.69	"	1.86/0.4	"	DTW = 20.49	
1511								collect: PZ029GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: EEL/Comp A
Well Number: PZ-030
Job Number: —

Total well depth (ft): 30.20'
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 23.66'
Previous static water level (ft): —
Standing water column (ft): 6.54

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 23.98

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) D.O./TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0634	0							start pumping @ 6 GPM	
0640	25 ml							DTW = 23.86'	
0644	200 ml							DTW = 23.92	
0647	320 ml	1.65	6.63	14.77	Low	1.19/1.1	clear	DTW = 23.98	
0650	410 ml	1.66	6.61	14.67	"	1.66/1.1	"	DTW = 24.00	
0653	500 ml	1.66	6.60	14.53	"	1.66/1.1	"	24.07	
0700								collect: PZ-030 6W01501	

internal billing reff:

Senders # 0915-1586-5

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Comp A
Well Number: PZ-033
Job Number: ———

Total well depth (ft): 24.28
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack) ↓

Gauging Date: 6/2/03
Bailer ID: —
Sample Date: 6/2/03

Static water level (ft): 19.84
Previous static water level (ft): —
Standing water column (ft): 4.44

Amt. one well vol (gal): ~
Total gal. to be purged: —
max allowable DTW = 20.16

Development method: —
Purging method: L. F/D
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1427	0							start pumping @	GCPM
1440	0							DTW = 19.95	
1445	50ml							DTW = 19.97	
1450	300ml	2.05	6.25	32.40	Low	3.83/1.4	clear	DTW = 20.06	
1453	470ml	2.33	6.28	31.32	"	3.60/1.5	"	DTW = 20.14	
1455	530ml	2.42	6.29	30.78	"	3.55/1.6	"	DTW = 20.18	
1505								collect: PZ033 GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Comp A
Well Number: PZ-033
Job Number: —

Total well depth (ft): 24.30
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 6/2/03
Bailer ID: —
Sample Date: 6/2/03

Static water level (ft): 19.97
Previous static water level (ft): —
Standing water column (ft): 4.33

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 20.29

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU) ~~DO / TD C~~	FID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1017	0							start pumping @ 6 CPM	
1027	100 ml							DTW = 20.12	
1030	270 ml	2.08	6.42	25.43	~~4.10 / 1.3~~ Low	4.10/1.3	clear	DTW = 20.18	
1032	450 ml	2.34	6.47	25.95	"	3.67/1.5	"	DTW = 20.24	↓Q 5 CPM
1035	630 ml	2.43	6.49	26.34	"	3.50/1.6	"	DTW = 20.31	↓Q 4 CPM
1038	750 ml	2.46	6.53	26.58	"	3.42/1.6	"	DTW = 20.35	
1100								collect: PZ-033 6W01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Compound A
Well Number: PZ-034
Job Number: —

Total well depth (ft): 15.30
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): /
Vol. per ft borehole (gal): /
(less casing and filter pack)

Gauging Date: 4/1/03
Bailer ID: —
Sample Date: 4/1/03

Static water level (ft): 9.38
Previous static water level (ft): —
Standing water column (ft): 5.92

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown 9.80

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~RD (ppm)~~ ΔD	COLOR	COMMENTS	SAMPLER'S INITIALS
13:13	0								
13:16	200ml	.0050	6.22	21.85	Low	10.01	clear		DTW 9.41
13:19	350ml	.371	5.55	21.30	"	4.90	"		DTW 9.42
13:22	525ml	0.663	5.72	20.01	"	3.13	"		DTW 9.42
13:25	700ml	0.738	5.76	19.39	"	2.39	"		DTW 9.41
13:28	900ml	0.768	5.84	19.34	"	2.04	"		DTW 9.41
13:32								Collected Sample PZ034GW01S01 Perchlorate	

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Comp A
Well Number: PZ-034
Job Number: ———

Total well depth (ft): 16.30
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack) ↓

Gauging Date: 6/2/03
Bailer ID: —
Sample Date: 6/2/03

Static water level (ft): 10.74
Previous static water level (ft): —
Standing water column (ft): 5.56

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 11.06

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ___ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0903								start pumping @ 6	CPM
0905	50ml							DTW = 10.75	
0907	175ml							DTW = 10.76	
0910	250ml	1.192	6.64	17.95	Low	2.19/0.7	clear	DTW = 10.76	
0913	350ml	1.006	6.66	17.70	"	1.57/0.6	"	DTW = 10.77	
0915	500ml	0.872	6.67	17.50	"	1.09/0.6	"	DTW = 10.77	
0917	720ml	0.755	6.68	17.36	"	0.66/0.5	"	DTW = 10.77	
0920	900ml	0.724	6.68	17.33	"	0.50/0.5	"	DTW 10.77	
0925								collect PZ034	GW01501

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Compound A
Well Number: PZ-033
Job Number: —

Total well depth (ft): 24.32
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) V

Gauging Date: 3/31/03
Bailer ID: —
Sample Date: 3/31/03

Static water level (ft): 22.94
Previous static water level (ft): —
Standing water column (ft): 1.38

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable drawdown = 23.26

Development method: —
Purging method: None
Sampling method: Disposable Bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
14:55								Collected Sample PZ033GW01S01 (Perchlorate, 1,4 Dioxane) No Purge - Used Disposable Bailer	

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Compound A
Well Number: PZ-035
Job Number: —

Total well depth (ft): 23.4
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 3/31, 4/1/03
Bailer ID: —
Sample Date: 4/1/03

Static water level (ft): 22.0 (3/31/03) 21.97 (4/1/03)
Previous static water level (ft):
Standing water column (ft): 1.49

Amt. one well vol (gal): —
Total gal. to be purged: —

MAX DTW = 22.32

Development method: —
Purging method: None
Sampling method: Bailer Disposable

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
7:15								Collected Sample PZ035GW0150 (Perchlorate, Initial) No purge	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Comp A
Well Number: PZ-035
Job Number: —

Total well depth (ft): 23.38
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 5/29/03
Bailer ID: —
Sample Date: 5/29/03

Static water level (ft): 19.71
Previous static water level (ft): —
Standing water column (ft): 3.67

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 20.03

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1320				*problems w/ pump*				start pumping @ 4 GPM	
1335	25 ml							DTW = 19.82 ↑ 6 GPM	
1340	180 ml							DTW = 19.86	
1344	320 ml	1.052	6.31	33.57	Low	3.70/0.7	clear	DTW = 19.90	
1347	610 ml	1.091	6.28	32.05	"	3.56/0.7	"	DTW = 19.97	
1352	800 ml	1.093	6.28	31.88	"	3.49/0.7	"	DTW = 20.02	
1400								collect: PZ-035	GW015 01

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: STL - IV
Well Number: PZ-036
Job Number: —

Total well depth (ft): 29.12
Well Diameter (in): 2 "
Borehole Diameter (in): 8 "

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 22.70
Previous static water level (ft): —
Standing water column (ft): 6.42

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW: 22.92

Development method: —
Purging method: L. F/.
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1310	0							start pumping @ 6 GPM	
1313								DTW = 22.70	
1315								loose tubing on pump re-set.	
1327	110 ml								
1329	300 ml	0.557	6.80	19.06	Low	3.64/0.4	clear	DTW = 22.71	
1332	500 ml	0.681	6.76	19.03	"	2.41/0.4	"	DTW = 22.74	
1335	730 ml	0.734	6.76	18.85	"	1.54/0.5	"	DTW = 22.75	
1338	1000 ml	0.742	6.77	19.10	"	1.26/0.5	"	DTW = 22.77	
1340	1150 ml	0.743	6.77	19.12	"	1.20/0.5	"	DTW = 22.77	
1345								collect: PZ-036	GW01501

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Compound A
Well Number: PZ-038
Job Number: —

Total well depth (ft): ~~29.60~~ 30.50
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) V

Gauging Date: 4/1/03
Bailer ID: —
Sample Date: 4/1/03

Static water level (ft): 17.91
Previous static water level (ft): —
Standing water column (ft): 12.59

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown: 18.23

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~DO (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
14:17	0							Q 3 Cycles/min	
14:23	200ml	0.40	5.74	22.21	Low	8.12	clear		DTW 18.14
14:29	400ml	1.029	5.75	22.24	Low	4.09	"		DTW 18.32
14:30	~~Bailer~~							Q ↓ 1 Cycle/min	
1434	550 ml	1.283	5.98	23.00	Low	2.61	CLEAR		DTW 18.42
14:47	625 ml	1.357	5.87	23.36	"	2.07	"		DTW 18.57
14:49								Q ↑ 6 Cycle/min	
14:52	~~850~~ 850ml	1.422	5.85	22.53	Low	2.00	clear		DTW 18.73
14:55								Collected Sample	
								PZ038GW01S01	
								Perchlorate	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Comp A
Well Number: PZ-038
Job Number: —

Total well depth (ft): 30.52
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 6/2/03
Bailer ID: —
Sample Date: 6/2/03

Static water level (ft): 18.05
Previous static water level (ft): —
Standing water column (ft): 12.47

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 18.37

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1130	0							start pumping @ 6CPM	
1132	50ml							DTW = 18.25	
1135	220ml							DTW = 18.55	
1137	330ml	1.170	6.33	28.82	Low	1.40/0.8	clear	DTW = 18.64 Q↓ 1CPM	
1141	410ml	1.197	6.29	29.32	"	1.11/0.8	"	DTW = 18.70	
1143	440ml	1.214	6.44	29.84	"	0.94/0.8	"	DTW = 18.73	
1145	480ml	1.231	6.47	30.51	"	0.84/0.8	"	DTW = 18.77 Q ↑6CPM	
1150								collect = PZ-038	GW01501

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: PDU
Well Number: PZ-041
Job Number: —

Total well depth (ft): 30.33
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 10.58
Previous static water level (ft): —
Standing water column (ft): 19.75

Amt. one well vol (gal): —
Total gal. to be purged: —
recallowable DTW = 20.90

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1527	0							start pumping @ 6 CPM	
1530	100 ml							DTW = 10.58	
1533	280 ml	0.543	6.41	23.49	Low	2.12/0.4	clear	DTW = 10.95 Q↓ 3 CPM	
1535	450 ml	0.742	6.59	23.19	"	1.55/0.5	"	DTW = 11.03 Q↓ 1 CPM	
1537	530 ml	0.775	6.63	23.33	"	1.22/0.5	"	DTW = 11.10 Q↑ 6 CPM	
1540	650 ml	0.805	6.63	23.23	"	1.02/0.5	"	DTW = 11.29	
1544	1000 ml	0.840	6.62	22.77	"	0.58/0.5	"	DTW = 11.61	
1547	1200 ml	0.840	6.65	22.68	"	0.53/0.5	"	DTW = 11.93	
1553								collect: PZ-041 GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Delta/PLF
Well Number: PZ-042
Job Number: —

Total well depth (ft): 33.10
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 2/21/03
Bailer ID: —
Sample Date: 2/21/03

Static water level (ft): 31.90
Previous static water level (ft): —
Standing water column (ft): 1.20

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 32.22

Development method: —
Purging method: —
Sampling method: bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1340								Attempted to bail sample	
								Collected sample PZ042GW(4)-SB1	
								PF196 - pell	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Delta
Well Number: PZ-042
Job Number: —

Total well depth (ft): 33.05
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/1/03
Bailer ID: —
Sample Date: 4/1/03

Static water level (ft): 26.25
Previous static water level (ft): —
Standing water column (ft): 6.80

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable drawdown: 26.57

Development method: —
Purging method: Low Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (ppm) DC	COLOR	COMMENTS	SAMPLER'S INITIALS
9:41	0								
9:46	200ml	0.331	5.97	18.71	Low	6.98	Clear		
9:48	300ml	0.959	6.08	18.45	"	6.06	"		
9:51	500ml	1.239	6.06	18.42	"	5.64	"		DTW-26.36
9:54	650ml	1.31	6.06	18.44	"	5.37	"		DTW-26.43
9:56	800ml	1.337	6.08	18.53	"	5.31	"		DTW-26.47
9:57									DTW-26.51
								Collected Sample	
								PZ042GW01S01	
10:45	End Sampling	(DTW 27.31)						(Initial) TPH, SVOCs, VOCs	
								Metals	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Coca
Well Number: PZ-043
Job Number: —

Total well depth (ft): 44.10
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 28.25
Previous static water level (ft): —
Standing water column (ft): 15.85

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 28.57

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) Dp/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1440	0							start pumping @ 6CPM	
1445	100 ml							DTW = 28.38	
1447	475 ml	0.906	5.99	24.73	Low	1.41/0.6	clear	DTW = 28.63 Q↓ 3CPM	
1452	550 ml	0.941	5.99	24.82	"	1.07/0.6	"	DTW = 28.67	
1455	710 ml	0.984	5.96	25.13	"	0.69/0.6	"	DTW = 28.73	
1457	800 ml	0.995	5.96	25.27	"	0.63/0.6	"	DTW = 28.75	
1505								collect: PZ-043 GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: ~~PZ-045~~ Coca
Well Number: PZ-045
Job Number: —

Total well depth (ft): 43.41
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 3/31/03
Bailer ID: —
Sample Date: 3/31/03

Static water level (ft): 35.57
Previous static water level (ft): —
Standing water column (ft): 7.84

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Draw Down 35.89

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
9:55	0								
10:02	200ml	.598	5.17	28.27	Low	6.27	Clear	DTW 35.76 Flowcell Full	Q@3 CPM
10:05	350ml	.620	5.12	27.2	"	2.00	"	DTW 35.80	Reduce to 3 cycles per minute
10:08	425ml	.628	5.12	27.17	"	1.48	"	DTW 35.82	~~Q@1CPM~~
10:12	550ml	.632	5.12	27.82	"	1.22	"	DTW 35.86	
10:16	650ml	.634	5.12	28.32	"	1.12	"	DTW 35.89	
10:20								Collected Sample PZ-0456-W001S01 (VOCs)	

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Coca
Well Number: PZ-046
Job Number: —

Total well depth (ft): 37.19
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack) ↓

Gauging Date: 4/1/03
Bailer ID: —
Sample Date: 4/1/03

Static water level (ft): 34.68
Previous static water level (ft): —
Standing water column (ft): 2.51

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable drawdown: 35.0

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
8:05	0			~~17.13~~					
8:08	200ml	~~0.327~~	5.44	17.13	Low	8.17	Clear		DTW 34.74
8:12	400ml	0.827	5.74	16.95	"	7.44	"		DTW 34.83
8:15	600ml	1.172	5.87	17.12	"	7.01	"		DTW 34.88
8:18	750ml	1.291	5.95	17.45	"	6.70	"		DTW 34.96
8:21	925ml	1.315	6.04	17.60	"	6.65	"		DTW 35.0
8:25								Collected Sample PZ046GW01501	
								(Initial) TPH, SVOCs, VOCs, Metals	
9:09 End Sample Collection (DTW 35.84)									

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Coca
Well Number: PZ-046
Job Number: —

Total well depth (ft): 37.10
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) V

Gauging Date: 5/28/03
Bailer ID: —
Sample Date: 5/28/03

Static water level (ft): 36.11
Previous static water level (ft): —
Standing water column (ft): 0.99

Amt. one well vol (gal): —
Total gal. to be purged: —
MAX DTW = 36.43

Development method: —
Purging method: —
Sampling method: bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
								~~NSGP~~	
1425								sample PZ-046 GW01501	
								use bailer to sample *	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Coca
Well Number: PZ-047
Job Number: —

Total well depth (ft): 39.85
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack) ↓

Gauging Date: 5/28/03
Bailer ID: —
Sample Date: 5/28/03

Static water level (ft): 30.98
Previous static water level (ft): —
Standing water column (ft): 8.87

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 31.3

Development method: —
Purging method: Lo F/o
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) Do/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1125	0							start purging @ 6 CPM	
1130	0							DTW = 30.89	
1132	0							tubing came out of pump	
1200	0							DTW = 30.95	
1205	50 ml							DTW = 31.07	
1208	120 ml							DTW = 31.14	
1213	280 ml	0.756	6.49	34.85	Low	3.53/0.5	clear	DTW = 31.18	
1215	600 ml	0.754	6.50	34.12	"	3.38/0.5	"	DTW = 31.28 Q↓ 4 CPM	
1217	680 ml	0.752	6.65	34.06	"	3.20/0.5	"	DTW = 31.35	
1220	750 ml	0.752	6.67	34.29	"	3.20/0.5	"	DTW = 31.42	
								Collected PZ047GW052803	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: EEL
Well Number: PZ-050
Job Number: —

Total well depth (ft): 15.83
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 7.48
Previous static water level (ft): ~
Standing water column (ft): 6.35

Amt. one well vol (gal): ~
Total gal. to be purged: —
max allowable DTW = 9.80

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1545	0							start pumping @ 6 GPM	
1547	100ml							DTW = 9.58	
1552	300ml	0.695	6.81	21.45	Low	4.36/0.5	clear	DTW = 9.65	
1555	530ml	0.932	6.76	21.46	"	3.12/0.6	"	DTW = 9.75 Q↓ 4GPM	
1557	680ml	0.984	6.77	21.76	"	2.84/0.6	"	DTW = 9.78	
1600	780ml	1002	6.79	22.24	"	2.71/0.6	"	DTW = 9.81	
1603	890ml	1.008	6.80	22.44	"	2.64/0.7	"	DTW = 9.83	
1610								collect PZ-050	GW01501

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: North of Compound A
Well Number: PZ-051
Job Number: —

Total well depth (ft): 19.17
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 4/4/03
Bailer ID: —
Sample Date: 4/4/03

Static water level (ft): 10.87
Previous static water level (ft): —
Standing water column (ft): 8.30

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown: 11.19

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	COLOR	* COMMENTS	SAMPLER'S INITIALS
7:40	0								
7:43	200ml	0.028	6.93	10.81	Low	9.32	clear		DTW 10.95
7:46	350ml	0.180	5.62	9.98	"	8.03	"		DTW 11.03
7:49	500ml	0.714	5.87	10.53	"	4.41	"		DTW 11.09
7:52	700ml	0.969	6.13	11.38	"	2.63	"		DTW 11.16
7:53								Q↓3 CPM	
7:55	825ml	1.098	6.18	11.66	"	1.73	"		DTW 11.19
7:57								Q↓1 CPM	
7:59	925ml	1.137	6.19	11.39	"	1.37	"		DTW 11.21
8:00								Collected Sample PZ051GW01S01 (Perchlorate)	

8:22 End Sampling

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: N of Comp A
Well Number: PZ-051
Job Number: —

Total well depth (ft): 19.13
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 11.57
Previous static water level (ft): —
Standing water column (ft): 7.56

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 11.89

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0727	0							start pumping @ 6 GPM	
0740	120 ml							DTW = 11.56	
0743	220 ml							DTW = 11.68 Q=3 GPM	
0745	300 ml	0.764	6.28	14.27	Low	3.35/0.5	clear	DTW = 11.70	
0747	420 ml	0.932	6.37	14.47	"	2.12/0.6	"	DTW = 11.73	
0750	500 ml	0.968	6.39	14.55	"	1.76/0.6	"	DTW = 11.76	
0753	600 ml	1.012	6.42	14.68	"	1.25/0.7	"	DTW = 11.80	
0800								collect: PZ-051GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Eastern Area IV
Well Number: PZ-052
Job Number:

Total well depth (ft): 31.35
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 2/27/03
Bailer ID: -
Sample Date: 2/27/03

Static water level (ft): 27.64
Previous static water level (ft): -
Standing water column (ft): 3.71

Amt. one well vol (gal): -
Total gal. to be purged: -
Max DTW 27.96

Development method: -
Purging method: Lo Flo
Sampling method: ↓

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	TDS/OD	COLOR DSP	COMMENTS	SAMPLER'S INITIALS
1341								Started purging	
1348	100 mL							DTW = 28.02 ft	
								-exceeded max DTW	
1357		0.807	6.81	14.97	Low/Clear	0.649/178.82	110.6	Flo-thru cell full	
								DTW: 28.39	
1400		0.811	6.81	15.05	Low/Clear	0.650/178.12	105.8		
1403		0.815	6.82	15.12	Low/Clear	0.653/179.30	100.7		
1406	1100 mL	0.817	6.82	15.05	Low/Clear	0.655/178.10	97.3	DTW: 28.50	
1410								Collected sample	
								PZ052GW01SD	
								PF199 - per, VOC's	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: R2 Pond
Well Number: PZ053
Job Number: —

Total well depth (ft): ~~20.1~~ PS 29.40
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 3/26/03
Bailer ID: —
Sample Date: 3/26/03

Static water level (ft): 20.10
Previous static water level (ft): —
Standing water column (ft): 9.30

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW 20.42 ft

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1352	0							Started pump	
1357								Flo-thru cell full (200 ml)	
								inline purged DTW = 20.21	
1359	300 ml	0.541	5.29	29.72	Low	4.84	Clear		
1502	650 ml	0.818	~~4.05~~ 5.46	26.90	"	4.05	"	DTW = 20.36	↓ Q 3 LPM
1505	750 ml	0.859	5.54	26.36	"	3.65	"	DTW = 20.38	
1508	850 ml	0.876	5.54	26.48	"	3.69	"	DTW = 20.42	
1511	950 ml	0.882	5.61	26.68	"	3.59	"	DTW = 20.44	
1515	1000 ml							Collected sample PZ053GW031501	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: RI Pond
Well Number: PZ-054
Job Number: —

Total well depth (ft): 18.50
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 3/26/03
Bailer ID: —
Sample Date: 3/26/03

Static water level (ft): 5.41
Previous static water level (ft): —
Standing water column (ft): 13.09

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW 5.73

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO mg/L	COLOR	COMMENTS	SAMPLER'S INITIALS
1345	Ø							Started pump	
1349								DTW = 5.53	↓Q
1354								" 5.68	
1358								Tube leak - shut off pump	
1403								Restart pump · DTW = 5.53 ft	
1405								DTW = 5.71	↓Q
1406	200	1.056	6.65	27.88	Low	1.23	Clear		
1409	430	1.012	6.57	26.21	Low	0.95	Clear	DTW = 5.85	
1412	600	0.986	6.70	25.03	Low	0.85	Clear	DTW = 5.90	
1415	710	0.970	6.67	24.53	Low	0.80	Clear	DTW = 5.91	
1418	810	0.964	6.67	24.28	Low	0.79	Clear	DTW = 5.91	
1420	1100							Collected sample ~~PZ025GW015Ø1~~ PZ054GW015Ø1	(perc)

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: R-2 Pond North
Well Number: PZ-054
Job Number: PZ-054

Total well depth (ft): 13.85
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 7.65
Previous static water level (ft): —
Standing water column (ft): 6.20

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 7.97

Development method: —
Purging method: Lo. Flo.
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1310	0							start pumping @ 6 GPM	
1315	25ml							DTW = 7.72	
1320	100ml							DTW = 7.84	
1323	210ml							DTW = 7.92 @ 3 GPM	
1325	250ml	0.982	6.57	27.50	Low	2.51/0.7	clear	DTW = 7.92	
1327	320ml	1.126	6.59	27.40	"	1.97/0.7	"	DTW = 7.93	
1334	500ml	1.279	6.55	27.04	"	0.73/0.8	"	DTW = 7.92	
1337	600ml	1.313	6.55	27.14	"	0.42/0.8	"	DTW = 7.92	
1340	700ml	1.332	6.56	27.28	"	0.25/0.9	"	DTW = 7.93	
1355								collect: PZ-054 GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: OCYS
Well Number: PZ056
Job Number: —

Total well depth (ft): 30.55
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 5/27/03
Bailer ID: —
Sample Date: 5/27/03

Static water level (ft): 28.70
Previous static water level (ft): —
Standing water column (ft): 1.85

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 29.02

Development method: —
Purging method: —
Sampling method: Bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1400								sample: PZ056 GW01S01	
								* bailer sampled *	

MWH
MONTGOMERY WATSON HARZA

Client: Rockeddyne
Site: Ocy's
Well Number: PZ-056
Job Number: —

Total well depth (ft): 30.50
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 29.60
Previous static water level (ft): —
Standing water column (ft): 0.90

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 29.92

Development method: —
Purging method: —
Sampling method: bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
							DTW ≅ 0.9' thickness		
								return later to collect: PZ-056	bailer sample GW01501
1040									

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SPA
Well Number: PZ-057
Job Number: —

Total well depth (ft): ~~36.27~~ 25.53
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/7/03
Bailer ID: —
Sample Date: 4/7/03

Static water level (ft): 19.29
Previous static water level (ft):
Standing water column (ft): 6.24

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown: 19.61

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~ORP (mv)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
13:07	0								
13:10	200	0.105	4.96	27.89	Low	6.49	Clear		DTW 19.34
13:13	400	0.264	5.81	27.50	"	6.01	"		DTW 19.37
13:16	550	0.548	6.07	26.75	"	5.63	"		DTW 19.40
13:19	700	0.643	6.11	26.43	"	5.33	"		DTW 19.42
13:22	900	0.686	6.13	26.48	"	5.15	"		DTW 19.44
13:25	1050	0.699	6.12	26.63	"	4.99	"		DTW 19.46
13:30								Collected Sample PZ-057-GW-01-SO1 (VOA)	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SPA
Well Number: PZ057
Job Number: —

Total well depth (ft): 25.50
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/9/03
Bailer ID: —
Sample Date: 6/9/03

Static water level (ft): 19.46
Previous static water level (ft): —
Standing water column (ft): 6.04

Amt. one well vol (gal): —
Total gal. to be purged: —

Development method: —
Purging method: Lo Flo
Sampling method: "

MAX ALLOWABLE DTW = 19.78

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	*AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1520									
1528	50	0.479	6.92	17.52	LOW	5.83/0.3	CLEAR	START PUMP @ 6 GPM	
1531	225	0.587	6.88	17.84	"	5.19/0.4	"	DTW @ 19.52	
1534	400	0.638	6.90	18.01	"	5.03/0.4	"	DTW @ 19.55	
1537	600	0.655	6.91	18.03	"	4.95/0.4	"	DTW @ 19.58	
1540	800	0.660	6.93	18.12	"	4.92/0.4	"	DTW @ 19.60	
1544	1050	0.663	6.93	18.23	"	4.84/0.4	"	DTW @ 19.62	
1547	1225	0.663	6.93	18.25	"	4.86/0.4	"	DTW @ 19.64	
1551								DTW @ 19.66	
						COMPLETE	SAMPLE	PZ057GW01S01	
* NOTE: ADD 250ml TO ABOVE PURGE VOLUME - GW									

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SPA
Well Number: PZ058
Job Number: —

Total well depth (ft): 18.40
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) V

Gauging Date: 6/10/03
Bailer ID: —
Sample Date: 6/10/03

Static water level (ft): 9.20
Previous static water level (ft): —
Standing water column (ft): 9.20

Amt. one well vol (gal): —
Total gal. to be purged: —

Development method: —
Purging method: Lo Flo
Sampling method: "

MAX ALLOWABLE DTW = 9.52

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground level

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (ppm) / ORP (mV)	COLOR	COMMENTS	SAMPLER'S INITIALS
1125								START PUMP @ 6 GPM	
1130	90	0.047	7.19	16.31	LOW	7.17 / 0.1	CLEAR	DTW = 9.25	
1133	300	0.431	6.33	16.19	"	3.46 / 0.3	"	DTW = 9.29	
1136	450	0.556	6.32	16.12	"	1.60 / 0.4	"	DTW = 9.34	
1139	650	0.619	6.35	16.10	"	0.90 / 0.4	"	DTW = 9.38	
1142	810	0.638	6.37	16.13	"	0.61 / 0.4	"	DTW = 9.42	
1145	1000	0.645	6.39	16.15	"	0.43 / 0.4	"	DTW = 9.46	
1149						COLLECT	SAMPLE	PZ058GW01501 - (VOC's)	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Alfa
Well Number: PZ-060
Job Number: —

Total well depth (ft): 52.55
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) V

Gauging Date: 6/2/03
Bailer ID: —
Sample Date: 6/2/03

Static water level (ft): 39.13
Previous static water level (ft): —
Standing water column (ft): 13.42

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 39.95

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

* TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	HD (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1323	0							start purging @ 6 GPM	
1325	10 ml							DTW = 39.13	
1327	100 ml							DTW = 39.35	
1330	280 ml	0.994	6.28	31.75	Low	2.67/0.7	clear	DTW = 39.52	
1333	330 ml	1.226	6.28	31.60	"	1.58/0.8	"	DTW = 39.65	
1335	450 ml	1.303	6.28	31.75	"	1.24/0.8	"	DTW = 39.79	
1338	530 ml	1.360	6.32	32.70	"	0.79/0.9	"	DTW = 39.84	
1343	580 ml	1.367	6.35	33.52	"	0.75/0.9	"	DTW = 39.86	
1350								collect: PZ060 GWB1SB1	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: IEL
Well Number: PZ-065
Job Number: —

Total well depth (ft): 54.20
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 2/21/03
Bailer ID: —
Sample Date: 2/21/03

Static water level (ft): 53.85
Previous static water level (ft): —
Standing water column (ft): 0.35

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 54.17

Development method: —
Purging method: —
Sampling method: bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1435								Attempted to bail sample	
								Collected sample PZ065GWBRSP01	
								PF197-perc	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Silvervale
Well Number: PZ-072
Job Number: —

Total well depth (ft): 20.47
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 3.23
Previous static water level (ft): —
Standing water column (ft): 17.24

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW=3.55

Development method: —
Purging method: Micropurge
Sampling method: " "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1058	0							start pumping @ 6 GPM	
1103	150ml							DTW= 3.30	
1107	320ml	3.04	6.29	16.37	Low	1.40/2.0	clear	DTW= 3.28	
1110	700ml	3.32	6.26	16.16	"	0.53/2.1	"	DTW= 3.28	
1115	1000ml	3.35	6.27	16.08	"	0.37/2.1	"	DTW= 3.28	
1120								Collected PZ072GW01561 (1-4 [illegible])	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SPA
Well Number: PZ-058
Job Number: —

Total well depth (ft): 19.97
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/7/03
Bailer ID: —
Sample Date: 4/7/03

Static water level (ft): 8.35
Previous static water level (ft): —
Standing water column (ft): 11.62

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Attainable Drawdown: 8.67

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (mg/L)	COLOR	COMMENTS	SAMPLER'S INITIALS
14:17	0								
1421	200 ml	0.034	5.67	23.20	LOW	6.85	CLEAR	@ 3 CPM	DTW = 8.48
1424	400 ml	0.200	5.44	23.01	"	4.63	"		DTW = 8.50
14:28	525 ml	0.378	5.46	22.06	"	2.42	"		DTW = 8.48
14:32	700 ml	0.437	5.49	21.58	"	1.69	"		DTW = 8.52
14:36	800 ml	0.457	5.48	21.49	"	1.37	"		DTW = 8.54
14:40	925 ml	0.466	5.47	21.35	"	1.15	"		DTW = 8.56
14:45								Collected Sample PZ058GW01S01 (64 Dioxane)	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: SPA
Well Number: PZ-071
Job Number: ———

Total well depth (ft): 31.47
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ———
Vol. per ft borehole (gal): ———
(less casing and filter pack)

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 11.80
Previous static water level (ft): —
Standing water column (ft): 19.67

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 12.12

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/Tor	COLOR	COMMENTS	SAMPLER'S INITIALS
1107								start pumping PZ071 @ 6CPM	
1110	150 ml							DTW = 12.02 Q↓ 4CPM	
1113	300 ml	0.836	6.47	22.21	Low	3.31/0.6	clear	DTW = 12.08	
1115	400 ml	0.945	6.48	22.23	"	2.35/0.6	"	DTW = 12.10 Q↓ 3CPM	
1117	520 ml	1.030	6.50	22.47	"	1.35/0.7	"	DTW = 12.10	
1120	640 ml	1.066	6.51	22.83	"	0.97/0.7	"	DTW = 12.08	
1124	780 ml	1.093	6.53	23.25	"	0.69/0.7	"	DTW = 12.10	
11.30								collect: PZ-071 GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: S. Tuesnale
Well Number: PZ-072
Job Number: —

Total well depth (ft): 21.89
Well Diameter (in): 2-in
Borehole Diameter (in): 8-in

Min. Number Well Volumes to be Purged: N/A
Vol. per ft casing (gal): .
Vol. per ft borehole (gal): .
(less casing and filter pack)

Gauging Date: 4/7/03
Bailer ID: —
Sample Date: 4/7/03

Static water level (ft): 3.03
Previous static water level (ft): —
Standing water column (ft): 18.86

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown 3.35

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
15:32	0								
15:35	200ml	0.043	5.36	22.84	~~Clear~~ Low	6.39	~~Clear~~ Clear to Hazy		DTW 3.06
15:37	425ml	3.00	5.37	21.78	"	3.32	"		DTW 3.07
15:40	650ml	3.63	5.63	19.93	"	~~3.63~~ 1.71	"		DTW 3.07
15:41	900ml	3.78	5.63	19.18	"	1.35	"		DTW 3.07
15:43	1050ml	3.81	5.64	18.82	"	1.12	"		DTW 3.05
15:45								Collected Sample PZ072blind01 for VOCs	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Happy Valley
Well Number: PZ-074
Job Number:

Total well depth (ft): 23.65
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 3/31/03
Bailer ID: —
Sample Date: 3/31/03

Static water level (ft): 8.11
Previous static water level (ft): —
Standing water column (ft): 15.54

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable Drawdown: 8.43

Development method: —
Purging method: Lo Flo
Sampling method: ~~Pump~~ 17

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~DO (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
13:43	0								
13:47	350ml	.142	4.09	31.02	Low	5.99	clear	Q↓3 CPM (after reading)	DTW 8.38
13:50								Q↓7 CPM	DTW 8.54
13:52	575ml	.243	4.05	28.74	Low	2.00	clear		DTW 8.54
13:56	625ml	.249	4.16	29.35	"	1.64	"		DTW 8.52
~~13:59~~	~~750ml~~	~~.263~~	~~4.37~~	~~30.83~~	=	~~1.61~~	=	Q↓3 CPM	
14:02	750ml	.263	4.37	30.83	Low	1.61	clear		DTW 8.85
14:08								Collected Sample PZ074GW021801 (Perchlorate)	

MWH
MONTGOMERY WATSON HARZA

Client: Boeing
Site: SSFL
Well Number: PZ075
Job Number: —

Total well depth (ft): 46.45
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack) ↓

Gauging Date: 2/26/03
Bailer ID: —
Sample Date: 2/26/03

Static water level (ft): 41.76
Previous static water level (ft): —
Standing water column (ft): 4.69

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW 42.08

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~TSD (ppm)~~ TDS / DO	~~COLOR~~ ORP	COMMENTS	SAMPLER'S INITIALS
~~1328~~ 1330	Ø							Begin Purge; DTW=41.76	
1344	100 mL							DTW = 41.88	
1354	4-500 mL							DTW = 41.94	
1358	500 mL	0.438	6.54	19.40	Low/Clear	0.319/129.26	120.4	DTW = 42.00	
1401		0.437	6.49	18.79	Low/Clear	0.323/145.16	110.2		
1404		0.427	6.43	17.91	Low/Clear	0.321/152.07	104.8	DTW = 42.05	
1407		0.419	6.39	17.70	Low/Clear	0.316/153.51	103.8		
1410	600 ML							Collected sample	
								PZ075(GW01SO1)	Perc, VOC's
								PF198	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: CTL III
Well Number: PZ-076
Job Number: —

Total well depth (ft): 50.10
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) V

Gauging Date: 4/4/03
Bailer ID: —
Sample Date: 4/4/03

Static water level (ft): 38.31
Previous static water level (ft): —
Standing water column (ft): 11.79

Amt. one well vol (gal): —
Total gal. to be purged: —

Development method: —
Purging method: Lo Flo
Sampling method: "

Max Allowable Drawdown: 38.63

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~RD (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
10:42	0								
10:47	200ml	0.320	6.16	17.39	Low	7.12	clear	Q↓3GPM	DTW = 38.53
10:50	350ml	0.965	6.22	18.12	"	3.66	"		DTW = 38.62
10:51	~~425~~							Q↓1GPM	
10:57	425ml	1.208	6.29	19.10	Low	2.65	clear		DTW = 38.65
10:59								Q↑6GPM	
11:00	528ml	1.281	6.30	19.40	Low	2.45	clear		DTW = 38.77
11:03	725ml	1.379	6.30	18.19	"	2.07	"		DTW = 38.88
11:06	925ml	1.403	6.28	17.17	"	1.62	"		DTW = 39.01
11:10								Collected Sample PZ076-GW-01S01 (Perchlorate)	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: CTL-III
Well Number: PZ07 (PZ07B)
Job Number: —

Total well depth (ft): 50.07
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/9/03
Bailer ID: —
Sample Date: 6/9/03

Static water level (ft): 35.64
Previous static water level (ft): —
Standing water column (ft): 14.43

Amt. one well vol (gal): —
Total gal. to be purged: —
MAX ALLOWABLE DTW = 35.96

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	* AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	RDO (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1108	0							STARTED PUMP @ 6 GPM	
1114	0							DTW @ 35.91; ↓ Q TO 1 GPM	
1119	25	0.954	6.59	17.33	LOW	2.65 / 0.6	CLEAR	DTW @ 35.94	
1122	50	0.985	6.62	17.43	"	2.37 / 0.6	"	DTW @ 35.95	
1125	75	1.059	6.64	17.47	"	1.87 / 0.7	"	DTW @ 35.96	
1128	100	1.116	6.66	17.54	"	1.66 / 0.7	"	DTW @ 35.97	
1131	150	1.139	6.68	17.59	"	1.58 / 0.7	"	DTW @ 35.98	
1134	200	1.167	6.69	17.66	"	1.35 / 0.7	"	DTW @ 35.99	
1135							COLLECT	PZ07BGW01 SOL	
NOTE: ADD 250 ml TO ABOVE PURGE VALUE - [illegible]									

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: CTL-III
Well Number: PZ076GW01501
Job Number: —

Total well depth (ft): 50.07
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 6/10/03
Bailer ID: —
Sample Date: 6/10/03

Static water level (ft): 35.68
Previous static water level (ft): —
Standing water column (ft): 14.39

Amt. one well vol (gal): —
Total gal. to be purged: —
MAX ALLOWABLE DTW = 36.00

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~DO (mg/l)~~ DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
~~0930~~ 0945									
0952	0							START PUMP @ 4 GPM	
0956	200	1.141	6.79	15.72	LOW	1.63/0.7	CLEAR	DTW = 35.75	
1000	250	1.158	6.76	15.71	"	1.46/0.7	"	DTW = 35.96; ↓@ 1 GPM	
1003	275	1.172	6.75	15.71	"	1.43/0.7	"	DTW = 35.98	
1006	310	1.177	6.75	15.68	"	1.36/0.7	"	DTW = 36.01	
1008						COLLECT SAMPLE		DTW = 36.03	
								PZ076GW01501 - (1,4-DIOXANE)	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Perimeter Pond
Well Number: PZ077
Job Number: ———

Total well depth (ft): 28.71
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 6/10/03
Bailer ID: —
Sample Date: 6/10/03

Static water level (ft): 19.84
Previous static water level (ft): —
Standing water column (ft): 8.87

Amt. one well vol (gal): —
Total gal. to be purged: —

MAX ALLOWABLE DTW = 20.16

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	* AMOUNT PURGED (gals or l)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (mg/l or %)	COLOR	COMMENTS	SAMPLER'S INITIALS
0830									
0837	0							START PUMP @ 6 GPM	
0840	75	2.78	6.46	14.47	LOW	2.59/1.8	CLEAR	DTW = 19.99; ↓Q TO 3GPM	
0843	200	3.10	6.52	14.63	"	1.74/2.0	"	DTW = 20.02	
0847	350	3.23	6.55	14.75	"	1.31/2.1	"	DTW = 20.06	
0850	450	3.28	6.56	14.76	"	1.17/2.1	"	DTW = 20.10	
0853	550	3.31	6.56	14.79	"	1.07/2.1	"	DTW = 20.12	
0855								DTW = 20.14	
						COLLECT	SAMPLE	PZ077 GW#1501	(VOC's)
* NOTE: ADD 250 ml TO ABOVE PURGE VALUES - JLM									

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: CTL-III
Well Number: P2079
Job Number: —

Total well depth (ft): 27.79
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): V
(less casing and filter pack)

Gauging Date: 6/9/03
Bailer ID: —
Sample Date: 6/9/03

Static water level (ft): 19.76
Previous static water level (ft): —
Standing water column (ft): 8.03

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW=20.09

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0840	0							start pumping @ 600 ml/min	
0844	0							DTW = 19.76	
0848	180 ml							DTW = 19.76	
0853	300 ml	0.595	6.39	14.83	Low	4.36/0.4	clear	DTW = 19.76	
0855	450 ml	0.671	6.28	15.10	"	3.90/0.4	"	DTW = 19.76	
0857	620 ml	0.712	6.25	15.22	"	3.52/0.5	"	DTW = 19.76	
0900	730 ml	0.723	6.24	15.21	"	3.51/0.5	"	DTW = 19.76	
0903	1000 ml	0.735	6.23	15.32	"	3.43/0.5	"	DTW = 19.76	
0910								collect PZ0796W01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Bowl
Well Number: PZ-084
Job Number: ——

Total well depth (ft): 34.75
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack) ↓

Gauging Date: 5/28/03
Bailer ID: ~
Sample Date: 5/28/03

Static water level (ft): 24.56
Previous static water level (ft): —
Standing water column (ft): 10.19

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW 24.88

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1015	0							start pumping @ 6GPM	
1020	0							DTW = 24.72	
1025	0							DTW = 24.79	
1028	175ml							DTW = 24.83	
1030	300ml	0.475	5.78	32.56	Low	0.56/0.3	clear	DTW = 24.89 ↓Q 4GPM	
1033	410ml	0.49	5.78	32.54	"	0.48/0.3	"	DTW = 24.94	
1036	550ml	0.465	5.75	32.69	"	0.37/0.3	"	DTW = 24.97	
1045								sample: PZ-084 GW01S01	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Bowl
Well Number: P2-085B
Job Number: ~

Total well depth (ft): 47.30
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ~
Vol. per ft borehole (gal): ~
(less casing and filter pack)

Gauging Date: 5/28/03
Bailer ID: ~
Sample Date: 5/28/03

Static water level (ft): 41.06
Previous static water level (ft): ~
Standing water column (ft): 6.24

Amt. one well vol (gal): ~
Total gal. to be purged: ~
max allowable DTW = 41.38

Development method: ~
Purging method: Lo F/o
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~ORP (mV)~~ DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0913	0							start purging @ 6 GPM	
0916	0							DTW = 41.14	
0920	100ml							DTW = 41.21	
0925	350ml	1.318	6.12	29.30	Low	1.06/0.8	clear	DTW = 41.31	
0928	600ml	1.360	6.12	28.99	"	0.62/0.9	"	DTW = 41.40 @ 4 GPM	
0933	800ml	1.382	6.13	28.97	"	0.45/0.9	"	DTW = 41.45	
0935	900ml	1.387	6.13	29.25	"	0.39/0.9	"	DTW = 41.49	
0945								sampled = P2-085B GW02501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Bowl
Well Number: PZ 087A
Job Number: —

Total well depth (ft): 25.93
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 5/27/03
Bailer ID: —
Sample Date: 5/27/03

Static water level (ft): 18.32
Previous static water level (ft): —
Standing water column (ft): 7.01

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable DTW = 18.64

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO/TDS ~~PID (ppm)~~	COLOR	COMMENTS	SAMPLER'S INITIALS
1445								start purging @ 6 CPM	
1450	0							DTW = 18.43	
1455	150ml							DTW = 18.50	
1458	425ml	0.977	5.03	35.64	Low	0.82/0.6	clear	DTW = 18.56	
1503	710ml	0.930	5.01	34.26	"	0.51/0.6	"	DTW = 18.62 ↓Q 4CPM	
1507	1000ml	0.884	4.98	34.28	"	0.38/0.6	"	DTW = 18.65 exceed max DTW	
1513	1100ml	0.871	4.98	35.17	"	0.35/0.6	"	DTW = 18.70	
1520								collect sample: PZ087A GW01S01 (VOCs)	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Bowl
Well Number: PZ087B
Job Number: —

Total well depth (ft): 55.20
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 5/27/03
Bailer ID: —
Sample Date: 5/27/03

Static water level (ft): 49.85
Previous static water level (ft): —
Standing water column (ft): 5.35

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 50.17

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1550	0							start purging @ 6 CPM	
1555	0							DTW = 49.98	
1557	0							DTW = 50.0	
1600	100 ml							DTW = 50.16 ↓Q 4CPM	
1605	300 ml	1.076	6.18	30.42	Low	4.59/0.7	clear	DTW = 50.10	
1609	480 ml	1.084	6.18	30.06	"	4.49/0.7	"	DTW = 50.14	
1615	750 ml	1.091	6.17	29.26	"	4.62/0.7	"	DTW = 50.16	
1620	950 ml	1.091	6.14	29.03	"	4.44/0.7	"	DTW = 50.18	
1630								collect sample: PZ087B GW01S01 (VOCs)	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: BDW)
Well Number: PZ0878
Job Number: N/A

Total well depth (ft): 47.22
Well Diameter (in): 2 in.
Borehole Diameter (in): 8 in.

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 6/9/03
Bailer ID: —
Sample Date: 6/9/03

Static water level (ft): 41.45
Previous static water level (ft): —
Standing water column (ft): 5.77

Amt. one well vol (gal): —
Total gal. to be purged: —

Development method: —
Purging method: Microprge
Sampling method: Microprge

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

MAX ALLOWABLE DTW = 41.77

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~H2O (ppm)~~ DO/ORP	COLOR	COMMENTS	SAMPLER'S INITIALS
1409									
1412	0							START PUMP @ 6 CPM	
1417	25	0.877	6.33	18.46	LOW	3.74/0.6	CLEAR	DTW @ 41.48	
1420	200	1.235	6.30	18.82	"	1.50/0.8	"	DTW @ 41.56	
1423	375	1.306	6.31	18.80	"	0.83/0.8	"	DTW @ 41.62; ↓Q TO 3 CPM	
1426	450	1.342	6.32	18.73	"	0.66/0.9	"	DTW @ 41.68	
1429	625	1.364	6.33	18.55	"	0.54/0.9	"	DTW @ 41.71	
1432								DTW @ 41.75	
						COLLECT	SAMPLE	PZ0878GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: APTF
Well Number: PZ-089
Job Number: —

Total well depth (ft): 19.25
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): —
Vol. per ft borehole (gal): —
(less casing and filter pack)

Gauging Date: 5/28/03
Bailer ID: —
Sample Date: 5/28/03

Static water level (ft): 18.45
Previous static water level (ft): —
Standing water column (ft): 0.80

Amt. one well vol (gal): —
Total gal. to be purged: —
MAX DTW = 18.77

Development method: —
Purging method: ~~Lo Flo~~
Sampling method: Bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1500								sample: PZ089 GW01501	
								* use bailer to sample *	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: CTL III N
Well Number: PZ091
Job Number: N/A

Total well depth (ft): 39.50
Well Diameter (in): 2-in
Borehole Diameter (in): 8-in.

Min. Number Well Volumes to be Purged: N/A
Vol. per ft casing (gal): N/A
Vol. per ft borehole (gal): N/A
(less casing and filter pack)

Gauging Date: 6/9/03
Bailer ID: N/A
Sample Date: 6/9/03

Static water level (ft): 20.07
Previous static water level (ft): —
Standing water column (ft): 19.43

Amt. one well vol (gal): N/A
Total gal. to be purged: N/A
max allowable DTW = 20.39

Development method: N/A
Purging method: Micropurge
Sampling method: Micropurge

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0745									
0750	100 ml							start pumping @ 60 ml/m	
0754	200 ml							DTW = 20.54 @ 30 ml/m	
0757	400 ml	1.210	6.45	14.82	Low	0.88/0.8	clear	DTW = 20.65	
0800	520 ml	1.215	6.40	14.80	"	0.70/0.8	"	DTW = 20.71	
0804	650 ml	1.218	6.38	14.81	"	0.62/0.8	"	DTW = 20.79	
0810								DTW = 20.82	
								collect: PZ091GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: FSDF
Well Number: PZ-098
Job Number: —

Total well depth (ft): 38.00
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 2/21/03
Bailer ID: —
Sample Date: 2/21/03

Static water level (ft): 28.87
Previous static water level (ft): —
Standing water column (ft): 9.13

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 29.19

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) 10.5 eV	COLOR ORP/DO mg/L	COMMENTS	SAMPLER'S INITIALS
	0							DTW = 28.93	
1127								Start pump	
1147								Restart pump	6 GPM
1152								DTW = 29.07	
1154		0.282	6.66	26.86	Clear	0.191	162.7/5.17	DTW = 29.10	↓ 3 GPM
								- flow rate fell	
1158		0.599	6.51	25.45	Clear	0.411	130.5/4.35	DTW = 29.13	
1200		0.915	6.54	25.19	↓	0.601	110.0/3.80	DTW = 29.17	
1203		1.065	6.56	25.26	↓	0.691	99.6/3.43	DTW = 29.19	↓ 1 GPM
1206	900	1.112	6.55	25.22	↓	0.720	90.3/3.11	DTW = 29.19	
1210								Collected sample	

PZ098GW01SD1
PF193 - perc
DTW = 29.19

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: FSDF
Well Number: PZ-098
Job Number: —

Total well depth (ft): 38.00
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/3/03
Bailer ID: —
Sample Date: 4/3/03

Static water level (ft): 23.17
Previous static water level (ft): —
Standing water column (ft): 14.83

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown: 23.49

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
9:43	0								
0947	200 ml	0.251	6.59	18.45	LOW	7.93	CLEAR		DTW = 23.43
0948								Q↓ 1 CPM	
0954	400 ml	1.074	6.19	18.54	"	5.10	"		DTW = 23.52
0956								Q↑ 6 CPM	
0959	600 ml	1.242	6.26	18.81	"	4.61	"		DTW = 23.77
1001	725 ml	1.297	6.26	17.33	"	4.41	"		DTW = 23.89
1003	925 ml	1.322	6.25	16.54	"	4.08	"		DTW = 24.03
10:05								Collected Sample PZ098GW01S01	
							Rad,	VOCs, SVOCs, TPH, metals, Perchlorate	
10:15								Collected Duplicate Sample PZ098GW01D01	
12:10 End Sampling							R	VOCs, SVOCs, TPH, metals, Perchlorate	
[illegible]									

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

MWH
MONTGOMERY WATSON HARZA

Client:	DOE	Total well depth (ft):	30.40	Min. Number Well Volumes to be Purged:	NA
Site:	FSDF	Well Diameter (in):	2"	Vol. per ft casing (gal):	↓
Well Number:	PZ-099	Borehole Diameter (in):	8"	Vol. per ft borehole (gal):	↓
Job Number:	–			(less casing and filter pack)	↓

Gauging Date:	2/21/03	Static water level (ft):	29.12	Amt. one well vol (gal):	–	Development method:	–
Bailer ID:	–	Previous static water level (ft):	–	Total gal. to be purged:	–	Purging method:	–
Sample Date:	2/21/03	Standing water column (ft):	1.28	Max DTW = 29.44		Sampling method:	bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1230								Attempted to bail	
								sample	
								Collected sample	
								PZ099GW01S01	PF194 - pek
								DTW = 29.27	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: FSDF
Well Number: PZ-099
Job Number: —

Total well depth (ft): 30.42
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 4/3/03
Bailer ID: —
Sample Date: 4/3/03

Static water level (ft): 28.51
Previous static water level (ft): —
Standing water column (ft): 1.91

Amt. one well vol (gal): —
Total gal. to be purged: —
Manually calculated : 28.83

Development method: —
Purging method: Lo Flo
Sampling method: Lo Flo / Disposable Bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
7:43	0								
7:46	200ml	0.032	7.48	13.35	Low	8.20	Clear		DTW ~~28.56~~ 28.56
7:49	350ml	0.030	9.66	13.23	"	8.59	"		DTW 28.59
7:52	500ml	0.678	10.10	14.21	"	7.33	"		DTW 28.63
9:55	700ml	1.049	9.87	15.18	"	6.25	"		DTW 28.68
9:58	825ml	1.190	9.84	15.53	"	6.01	"		DTW 28.71
8:00	1000ml	1.251	9.85	15.75	"	5.83	"		DTW 28.74
8:05								Collected Sample	
								PZ099GW01S01	
9:05	Well dry and sampling (used 1.75 liters for Rad Analysis)							VOCs, SVOCs, TPH, Metals, Rad	
14:40	Attempted to collect remaining sample. DTW 29.54 (Stabilized .75 liters, will dry again								
4/4/03 (14:30)	Collected and additional ≈ 0.25 liters for Rad Sample								

MWH
MONTGOMERY WATSON HARZA

Client: DOF
Site: FSDF
Well Number: PZ-100
Job Number: —

Total well depth (ft): 19.50
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 2/21/03
Bailer ID: —
Sample Date: 2/21/03

Static water level (ft): 18.44
Previous static water level (ft): —
Standing water column (ft): 1.06

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 18.76

Development method: —
Purging method: —
Sampling method: Bail

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1002								Bailed sample PZ100GW(0)1 5(0) PF192 - perc DTW = 18.52 ft	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: FSDF
Well Number: PZ-100
Job Number: —

Total well depth (ft): 19.46
Well Diameter (in): 2 1/2
Borehole Diameter (in): 8-1/2

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) ↓

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 18.70
Previous static water level (ft): —
Standing water column (ft): 0.76

Amt. one well vol (gal): —
Total gal. to be purged: —
Max DTW = 19.02

Development method: —
Purging method: —
Sampling method: bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1250								collect PZ-100 GW01501	
								*use bailer to sample	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Central Area IV
Well Number: PZ-102
Job Number: —

Total well depth (ft): 60.80
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/3/03
Bailer ID: —
Sample Date: 4/3/03

Static water level (ft): 53.75
Previous static water level (ft): —
Standing water column (ft): 7.05

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown: 54.07

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
13:58	0								
14:01	200ml	0.254	6.32	19.21	Low	5.08	Clear		DTW 54.04
14:04	375ml	0.353	5.97	19.01	"	3.87	"		DTW 54.01
14:07	550ml	0.397	5.94	18.89	"	3.41	"		DTW 54.06
14:10	750ml	0.412	5.94	18.82	"	3.42	"		DTW 54.13
14:12	900ml	0.416	5.92	18.85	"	3.17	"		DTW 54.15
14:15								Collected Sample PZ-102GW01S01	
								Rad, TPH, SVOC, Metals, VOCs	
≈15:40 End Sampling									

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: CTL-IV
Well Number: PZ-103
Job Number: —

Total well depth (ft): 38.00
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 23.08
Previous static water level (ft): —
Standing water column (ft): 14.92

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 23.90

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1408								start pumping @ 6 GPM	
1412	100ml							DTW = 23.16	
1415	300ml	0.809	7.60	19.45	Low	5.40/0.6	clear	DTW = 23.16	
1417	450ml	0.995	7.95	19.70	"	4.72/0.7	"	DTW = 23.17	
1420	650ml	1.089	7.91	19.85	"	4.47/0.7	"	DTW = 23.18	
1423	850ml	1.145	7.63	19.86	"	4.18/0.7	"	DTW = 23.18	
1425	1000ml	1.167	7.41	19.85	"	3.97/0.8	"	DTW = 23.18	
1427	1100ml	1.192	7.23	19.42	"	3.77/0.8	"	DTW = 23.19	
1430								collect PZ-103 6W01501	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: CTL-IV
Well Number: PZ-104
Job Number: —

Total well depth (ft): 30.52
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 6/3/03
Bailer ID: —
Sample Date: 6/3/03

Static water level (ft): 20.82
Previous static water level (ft): —
Standing water column (ft): 9.70

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 21.14

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1458	0							start pumping @	6CPM
1503	200 ml							DTW = 20.98	
1505	320 ml	1.63	6.72	21.10	Low	3.30/1.0	clear	DTW = 20.91	
1507	500 ml	1.68	6.72	21.01	"	2.89/1.1	"	DTW = 20.94	
1510	600 ml	1.65	6.71	20.99	"	2.82/1.1	"	DTW = 20.96	
1515								collect PZ104GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: CTL-IV
Well Number: PZ-105
Job Number: ———

Total well depth (ft): 30.57
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 5/27/03
Bailer ID: —
Sample Date: 5/27/03

Static water level (ft): 15.16
Previous static water level (ft): —
Standing water column (ft): 15.41

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable DTW 15.48

Development method: —
Purging method: Geo Flo
Sampling method: "

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO mg/L TDS (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
1045	0							Start pump @ 6 GPM	
1051	150 ml							DTW = 15.42	↓Q 2 GPM
1055	250 ml	0.918	6.84	33.18	Low	2.07/0.6	clear	exceed max DTW allowable	
1059	580 ml	0.838	6.94	32.42	" "	1.80/0.5	" "	DTW = 15.83	↑Q 6 GPM
1103	850 ml	0.798	6.93	31.13	" "	1.59/0.5	" "	DTW = 15.95	
1106	1200 ml	0.777	6.85	30.50	" "	1.42/0.5	" "	DTW = 16.14	
1115								collected sample: PZ-105GW0150 1 (VOCs)	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: EEL
Well Number: PZ-106
Job Number: —

Total well depth (ft): 31.50
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): ↓
Vol. per ft borehole (gal): ↓
(less casing and filter pack)

Gauging Date: 4/4/03
Bailer ID: —
Sample Date: 4/4/03

Static water level (ft): 14.77
Previous static water level (ft): —
Standing water column (ft): 16.73

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown 15.09

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO (mg/L)	COLOR	COMMENTS	SAMPLER'S INITIALS
13:25	0								
13:28	200ml	0.200	6.06	17.49	Low	7.50	Clear	Q↓ 1 CPM	DTW 14.89
13:35	375ml	0.595	5.86	18.04	"	5.92	"		DTW 14.87
13:36								Q↑ 3 CPM	
13:40	575ml	0.846	6.03	17.67	Low	4.40	Clear		DTW 14.83
13:44	725ml	0.913	6.08	17.48	"	3.12	"		DTW 14.85
13:47	850ml	0.935	6.09	17.66	"	2.70	"		DTW 14.84
13:50	950ml	0.949	6.09	17.63	"	2.41	"		DTW 14.85
13:50								Collected Sample PZ106GW01S01 (Perchlorate)	

MWH
MONTGOMERY WATSON HARZA

Client: DOE
Site: HMSA/PDU
Well Number: PZ-108
Job Number: —

Total well depth (ft): 26.52
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 6/4/03
Bailer ID: —
Sample Date: 6/4/03

Static water level (ft): 11.77
Previous static water level (ft): —
Standing water column (ft): 24.75

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 12.09

Development method: —
Purging method: LO F/O
Sampling method: 1"

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0630	0							start pumping @ 6 GPM	
0635	0							DTW = 11.83	
0640	230ml							DTW = 12.22 Q↓ 3GPM	
0643	320ml	1.000	6.95	15.52	Low	1.89/0.6	clear	DTW = 12.27 Q↓ 1GPM	
0645	450ml	1.008	6.90	15.27	"	1.70/0.7	"	DTW = 12.32	
0650	500ml	1.009	6.90	15.17	"	1.67/0.7	"	DTW = 12.34	
0657								collect: PZ10866/0501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: Happy Valley
Well Number: PZ-117
Job Number:

Total well depth (ft): 28.13
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 3/31/03
Bailer ID: —
Sample Date: 3/31/03

Static water level (ft): 21.64
Previous static water level (ft): —
Standing water column (ft): 6.49

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable DTW 21.96 ft

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO	COLOR	COMMENTS	SAMPLER'S INITIALS
0815	0								
0820	200 ml	0.699	5.81	22.85	LOW	9.29	Clear	Flo-Thru cell full	DTW = 21.81
~~0825 DW~~									↓Q 3 GPM
0823	350 ml	1.174	5.91	22.30	LOW	6.74	CLEAR		DTW = 21.84
0827	425 ml	1.336	5.93	22.06	LOW	6.32	CLEAR		DTW = 21.86
0830	500 ml	1.465	5.92	21.85	LOW	6.22	CLEAR	↓Q 1 GPM	DTW = 21.89
0834	600 ml	1.51	6.32	21.81	LOW	5.67	CLEAR		DTW = 21.90
0838	625 ml	1.53	6.30	21.81	LOW	5.83	CLEAR		DTW = 21.91
0841	675 ml	1.55	6.30	21.87	LOW	5.55	CLEAR		DTW = 21.93
0845								Collected Sample	
								PZ117GW0303	
								(Perchlorate)	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: HMSA/PDV
Well Number: PZ-120
Job Number: —

Total well depth (ft): 28.19
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/2/03
Bailer ID: —
Sample Date: 4/2/03

Static water level (ft): 21.27
Previous static water level (ft): —
Standing water column (ft): 6.92

Amt. one well vol (gal): —
Total gal. to be purged: —
Max Allowable Drawdown: 21.59

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	DO	COLOR	COMMENTS	SAMPLER'S INITIALS
11:18	0								
11:21	200ml	0.024	7.61	15.27	Low	6.68	clear		DTW 21.36
11:24	300ml	0.312	5.78	15.19	"	5.66	"		DTW 21.43
11:27	450ml	0.953	6.78	15.21	"	4.65	"		DTW 21.47
11:30	625ml	1.228	6.83	15.46	"	4.14	"		DTW 21.53
11:31								Q↓3 cycles/min	Q
1134	775ml	1.367	6.84	15.53	Low	3.78	~~clear~~ Low		DTW 21.61
1135								Q↓1 CPM	
11:43	900 ml	1.424	6.84	15.96	Low	3.31	clear		DTW 21.65
11:50								Collected Sample @ 6CPM	
								PZ120GW01S01	
								TPH, SVOCs, VOCs, Metals, Rad	
13:15								Collected duplicate sample PZ120GW01001 (Rad Only)	

≈ 4/4/03 End Purge (DTW 23.95)

MWH
MONTGOMERY WATSON HARZA

Client: DoE
Site: HMSA/PDU
Well Number: PZ-120
Job Number: —

Total well depth (ft): 28.20
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 6/12/03
Bailer ID: —
Sample Date: 6/12/03

Static water level (ft): 20.75
Previous static water level (ft): —
Standing water column (ft): 7.45

Amt. one well vol (gal): —
Total gal. to be purged: —
max allowable DTW = 21.07

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO / TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0843	0							start purging @ 0844	
0845	0							DTW = 20.79	
0847	150 ml							DTW = 20.87	
0858	520 ml	0.729	6.81	15.48	Low	4.88/0.5	clear	DTW = 20.99	
0900	610 ml	0.741	6.84	15.55	"	4.84/0.5	"	DTW = 21.00	
0903	700 ml	0.764	6.87	15.64	"	4.73/0.5	"	DTW = 21.04	
0910								collect PZ120 6/12/03 1501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: HMSA/PDV
Well Number: PZ-121
Job Number: —

Total well depth (ft): 25.05
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 4/2/03
Bailer ID: —
Sample Date: 4/2/03

Static water level (ft): 21.46
Previous static water level (ft): —
Standing water column (ft): 3.59

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable drawdown: 21.78

Development method: —
Purging method: Lo Flo
Sampling method: Lo Flo

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU) Low	mV (redox) DO	COLOR	COMMENTS	SAMPLER'S INITIALS
8:41	0								
8:44	200ml	0.051	6.27	14.31	Low	9.45	clear		DTW 21.53
8:47	350ml	0.449	5.81	14.11	"	7.32	"		DTW 21.60
8:50	500ml	0.824	6.17	14.58	"	6.35	"		DTW 21.64
8:53	700ml	1.127	6.47	15.25	"	5.62	"		DTW 21.70
8:55	825ml	1.156	6.56	15.23	"	5.36	"		DTW 21.72
8:57	950ml	1.205	6.61	15.12	"	4.88	"		DTW 21.75
9:00								Collected Sample PZ121GW01S01	
								RAD, TPH, SVOCs, VOCs, Metals	
10:17	Pump lowered to collect remaining sample								
10:46	End Sampling								

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: HMSA/PDV
Well Number: PZ-122
Job Number: —

Total well depth (ft): 28.53
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal): |
Vol. per ft borehole (gal): |
(less casing and filter pack) V

Gauging Date: 4/2/03
Bailer ID: —
Sample Date: 4/2/03

Static water level (ft): 16.10
Previous static water level (ft): —
Standing water column (ft): 12.43 ✓

Amt. one well vol (gal): —
Total gal. to be purged: —
Max allowable drawdown: 16.42

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ___ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	~~PID (ppm)~~ DO	COLOR	COMMENTS	SAMPLER'S INITIALS
14:34	0								
14:37	200ml	0.034	7.13	16.42	Low	6.57	clear		DTW 15.97
14:40	400ml	0.647	6.20	15.91	"	5.66	"		DTW 16.08
14:43	600ml	0.975	6.23	15.94	"	3.77	"		DTW 16.12
14:46	800ml	1.060	6.26	16.12	"	2.97	"		DTW 16.18
14:48	950ml	1.082	6.28	15.76	"	2.58	"		DTW 16.18
14:50								Collected Sample PZ122 GW01S01 TPH, SVOC, Metals, Rad	

MWH
MONTGOMERY WATSON HARZA

Client: NASA
Site: Coca
Well Number: PZ-126
Job Number:

Total well depth (ft): 20.44
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 5/29/03
Bailer ID: —
Sample Date: 5/29/03

Static water level (ft): 0.3'
Previous static water level (ft): —
Standing water column (ft): 20.14

Amt. one well vol (gal): —
Total gal. to be purged: —
max/total allowable DTW = 0.62'

Development method: —
Purging method: Lo Flo
Sampling method: "

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm) DO/TDS	COLOR	COMMENTS	SAMPLER'S INITIALS
0838	0							start purging @ 6 CPM	
0843	0							DTW = 0.50'	
0846	200 ml							DTW = 0.58	
0850	280 ml	2.00	6.58	26.41	Low	1.71 / 1.3	clear	DTW = 1.20 VQ	4CPM
0855	400 ml	2.04	6.69	26.75	"	1.59 / 1.3	"	DTW = 1.18	
0858	480 ml	2.04	6.75	27.61	"	1.50 / 1.3	"	DTW = 1.20	
0903	520 ml	2.03	6.77	27.82	"	1.50 / 1.3	"	DTW = 1.25	
0908								collect: PZ-126 GW01501	

MWH
MONTGOMERY WATSON HARZA

Client: Rocketdyne
Site: CANYON
Well Number: PZ-127
Job Number: —

Total well depth (ft): 68.60
Well Diameter (in): 2"
Borehole Diameter (in): 8"

Min. Number Well Volumes to be Purged: NA
Vol. per ft casing (gal):
Vol. per ft borehole (gal):
(less casing and filter pack)

Gauging Date: 6/12/03
Bailer ID: —
Sample Date: 6/12/03

Static water level (ft): 67.63
Previous static water level (ft): —
Standing water column (ft): 0.97

Amt. one well vol (gal): —
Total gal. to be purged: —
MAX DTW = 67.95

Development method: —
Purging method: "
Sampling method: Bailer

* All measurements taken from: ✓ Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
0720								sample w/ bailer.	
" "								collect PZ127GW01501	