ppb
ENVIRONMENTAL LABORATORIES, INC.

July 11, 2000

Mr. Jim Riley
P.D. Environmental Branch
400 West Bay Street
CESAJ-PD-E
Jacksonville, FL 32202-0019

RE: Contract DACW17-97-D-0001, Delivery Order 0053

Dear Mr. Riley:

Enclosed are the results of the analytical testing for 72 groundwater samples from the S-332B Project Site. These samples were collected May 1, 4, 8, 11, 15, 18, 23, and 25, 2000. All of these samples were collected after pumping operations were started. Specific monitoring well locations are indicated on the enclosed map. A list of well names and descriptions is also provided. Please note that station ID includes the date and time of sample collection. For example, station North Well-050100-1133 indicates that the sample was collected from the north well on May 1, 2000 at 1133 hours.

If you have any questions concerning this report, please contact me at (352) 377-2349.

Sincerely,

Tom Park

Tom Park
President

/cms

Enclosures

21 SW ARCHER ROAD, GAINESVILLE, FL 32608 (352) 377-2349 Fax (352) 395-6639 ppb@ppb-envlab.com

S332B WELL LOCATIONS MAP

(IN PROGRESS)

ROAD, GAINESVILLE, FL 32608 (352) 377-2349 Fax (352) 395-6639 ppb@ppb-envlab

S332B Project Site Wells

Well Names	Descriptions
RET-ND	Deep well inside the retention area, slightly north of the center of the retention area.
RET-NS	Shallow well inside the retention area, slightly north of the center of the retention area.
RET-SW	Well inside the retention area located near the southwest corner.
RET-SE	Well inside the retention area located near the southeast corner.
North Well	Well directly north of the retention area.
South Well	Well directly south of the retention area.
West-D	Deep well directly west of the retention area.
West-S	Shallow well directly west of the retention area.
NE-S	Shallow well approximately midway between the northeast corner of the retention area and S332B.
NE-D	Deep well approximately midway between the northeast corner of the retention area and S332B.

Table 1. COE S332B Montoring Wells Sampled May 2000 (Page 1 of 4)

STATION ID	LAB NO.	COLOR	NH3	TKN	NO2_NO3	NO2
		cpu	mg/L	mg/L	mg/L	mg/L
RET-ND-050100-0943	184770	25	0.390	0.74	<0.004	<0.003
RET-NS-050100-1017	184771	25	0.044	0.67	<0.004	<0.003
SOUTH WELL-050100-1053	184772	20	0.290	0.79	<0.004	<0.003
WEST-D-050100-1236	184773	20	0.435	0.83	<0.004	<0.003
WEST-S-050100-1259	184774	25	0.142	0.69	<0.004	<0.003
NORTH WELL-050100-1133	184775	30	0.079	0.63	<0.004	<0.003
NE-D-050100-1417	184776	15	0.424	0.70	<0.004	<0.003
NE-S-050100-1414	184777	15	0.392	0.75	<0.004	<0.003
SOUTH WELL-050400-0906	185108	25	0.233	0.84	<0.004	<0.003
WEST-D-050400-1002	185109	20	0.421	0.93	<0.004	<0.003
WEST-S-050400-1000	185110	30	0.114	0.77	<0.004	<0.003
NORTH WELL-050400-1052	185111	30	0.158	0.95	<0.004	<0.003
NE-D-050400-1240	185112	20	0.412	0.85	<0.004	<0.003
NE-S-050400-1236	185113	25	0.400	0.93	<0.004	<0.003
RET-ND-050800-0932	185169	20	0.412	0.92	<0.004	<0.003
RET-NS-050800-0932	185170	25	0.045	0.76	<0.004	<0.003
SOUTH WELL-050800-1105	185171	30	0.192	0.94	<0.004	<0.003
WEST-D-050800-1204	185172	20	0.461	1.07	<0.004	<0.003
WEST-S-050800-1225	185173	30	0.096	0.80	<0.004	<0.003
NORTH WELL-050800-1353	185174	30	0.112	0.94	<0.004	<0.003
NE-D-050800-1504	185175	15	0.456	0.89	<0.004	<0.003
NE-S-050800-1514	185176	30	0.418	0.92	<0.004	<0.003
RET-ND-051100-1027	185470	25	0.404	0.70	<0.004	<0.003
RET-NS-051100-1025	185471	30	0.073	0.73	<0.004	<0.003
RET-SW-051100-1109	185472	25	0.092	0.73	<0.004	<0.003
RET-SE-051100-1142	185473	35	0.234	0.92	<0.004	<0.003
SOUTH WELL-051100-1211	185474	30	0.179	0.77	<0.004	<0.003
WEST-D-051100-1318	185475	25	0.464	0.90	<0.004	<0.003
WEST-S-051100-1324	185476	30	0.102	0.84	<0.004	<0.003
NORTH WELL-051100-1426	185477	30	0.149	0.83	<0.004	<0.003
NE-D-051100-1538	185478	15	0.444	0.75	<0.004	<0.003
NE-S-051100-1545	185479	20	0.408	0.80	<0.004	<0.003
RET-ND-051500-0912	185625	25	0.395	0.779	<0.004	<0.003
RET-NS-051500-0917	185626	30	0.094	0.687	<0.004	<0.003
RET-SW-051500-0952	185627	30	0.127	0.796	<0.004	<0.003
RET-SE-051500-1023	185628	45	0.222	0.962	<0.004	<0.003
NE-D-051500-1127	185629	15	0.442	0.722	<0.004	<0.003
NE-S-051500-1115	185630	25	0.400	0.765	<0.004	<0.003
SOUTH WELL-051500-1200	185631	30	0.183	0.762	<0.004	<0.003
WEST-D-051500-1318	185632	25	0.428	0.817	<0.004	<0.003
WEST-S-051500-1321	185633	30	0.116	0.666	<0.004	<0.003
NORTH WELL-051500-1357	185634	30	0.182	0.749	<0.004	<0.003

Table 1. COE S332B Montoring Wells Sampled May 2000 (Page 2 of 4)

STATION ID	LAB NO.	COLOR	NH3	TKN	NO2_NO3	NO2
		cpu	mg/L	mg/L	mg/L	mg/L
NE-D-051800-0932	185871	10	0.398	0.66	<0.004	<0.003
NE-S-051800-0924	185872	10	0.368	0.78	<0.004	<0.003
RET-ND-051800-1033	185873	15	0.363	0.73	<0.004	<0.003
RET-NS-051800-1036	185874	20	0.087	0.64	<0.004	<0.003
RET-SW-051800-1114	185875	15	0.134	0.75	<0.004	<0.003
RET-SE-051800-1144	185876	25	0.211	0.86	<0.004	<0.003
NORTH WELL-051800-1220	185877	20	0.201	0.67	<0.004	<0.003
WEST-D-051800-1359	185878	15	0.399	0.84	<0.004	<0.003
WEST-S-051800-1410	185879	20	0.168	0.71	<0.004	<0.003
SOUTH WELL-051800-1442	185880	20	0.174	0.74	<0.004	<0.003
RET-ND-052300-0910	186125	25	0.377	0.74	<0.004	<0.003
NORTH WELL-052300-1330	186126	35	0.240	0.67	<0.004	<0.003
RET-NS-052300-0914	186127	35	0.100	0.63	<0.004	<0.003
RET-SW-052300-0951	186128	30	0.132	0.62	<0.004	<0.003
RET-SE-052300-1019	186129	30	0.223	0.75	<0.004	<0.003
NE-D-052300-1112	186130	15	0.406	0.68	<0.004	<0.003
NE-S-052300-1059	186131	20	0.373	0.70	<0.004	<0.003
SOUTH WELL-052300-1141	186132	25	0.177	0.70	<0.004	<0.003
WEST-D-052300-1259	186133	25	0.401	0.88	<0.004	<0.003
WEST-S-052300-1257	186134	30	0.204	0.71	<0.004	<0.003
SOUTH WELL-052500-1123	186380	25	0.008	0.72	<0.004	<0.003
WEST-D-052500-1204	186381	20	0.417	0.91	<0.004	<0.003
RET-ND-052500-0854	186382	20	0.378	0.88	<0.004	<0.003
NORTH WELL-052500-1233	186383	25	0.246	0.79	<0.004	<0.003
WEST-S-052500-1210	186384	20	0.221	0.76	<0.004	<0.003
RET-NS-052500-0913	186387	25	0.098	0.86	<0.004	<0.003
RET-SW-052500-0944	186388	20	0.142	0.82	<0.004	<0.003
RET-SE-052500-1007	186389	30	0.232	0.82	<0.004	<0.003
NE-D-052500-1048	186390	15	0.412	0.83	<0.004	<0.003
NE-S-052500-1054	186391	15	0.390	0.79	<0.004	<0.003

Table 1. COE S332B Montoring Wells Sampled May 2000 (Page 3 of 4)

STATION ID	LAB NO.	NO3	TP	OP	TSS	TURB
		mg/L	mg/L	mg/L	mg/L	ntu
RET-ND-050100-0943	184770	<0.004	0.146	0.134	2	4.2
RET-NS-050100-1017	184771	<0.004	0.193	0.137	8	6.5
SOUTH WELL-050100-1053	184772	<0.004	0.076	0.067	8	4.4
WEST-D-050100-1236	184773	<0.004	0.066	0.061	4	3.7
WEST-S-050100-1259	184774	<0.004	0.084	0.069	5	3.6
NORTH WELL-050100-1133	184775	<0.004	0.067	0.055	5	1.9
NE-D-050100-1417	184776	<0.004	0.350	0.080	162	45
NE-S-050100-1414	184777	<0.004	0.064	0.048	11	5.4
SOUTH WELL-050400-0906	185108	<0.004	0.120	0.033	5	1.2
WEST-D-050400-1002	185109	<0.004	0.059	0.046	3	3.6
WEST-S-050400-1000	185110	<0.004	0.137	0.030	4	1.3
NORTH WELL-050400-1052	185111	<0.004	0.118	0.022	3	1.1
NE-D-050400-1240	185112	<0.004	0.379	0.097	79	36
NE-S-050400-1236	185113	<0.004	0.115	0.026	4	2.3
RET-ND-050800-0932	185169	<0.004	0.134	0.095	<2	1.30
RET-NS-050800-0932	185170	<0.004	0.171	0.120	5	1.15
SOUTH WELL-050800-1105	185171	<0.004	0.101	0.058	5	1.35
WEST-D-050800-1204	185172	<0.004	0.102	0.062	4	2.0
WEST-S-050800-1225	185173	<0.004	0.110	0.064	4	1.6
NORTH WELL-050800-1353	185174	<0.004	0.092	0.050	3	0.35
NE-D-050800-1504	185175	<0.004	0.270	0.076	36	3.3
NE-S-050800-1514	185176	<0.004	0.082	0.054	4	2.7
RET-ND-051100-1027	185470	<0.004	0.117	0.092	<2	1.2
RET-NS-051100-1025	185471	<0.004	0.152	0.122	5	1.3
RET-SW-051100-1109	185472	<0.004	0.112	0.071	3	1.1
RET-SE-051100-1142	185473	<0.004	0.159	0.126	6	1.3
SOUTH WELL-051100-1211	185474	<0.004	0.074	0.053	2	1.1
WEST-D-051100-1318	185475	<0.004	0.067	0.053	<2	1.3
WEST-S-051100-1324	185476	<0.004	0.085	0.058	<2	1.0
NORTH WELL-051100-1426	185477	<0.004	0.077	0.051	<2	0.95
NE-D-051100-1538	185478	<0.004	0.224	0.086	44	22
NE-S-051100-1545	185479	<0.004	0.077	0.048	2	2.1
RET-ND-051500-0912	185625	<0.004	0.155	0.085	2	1.7
RET-NS-051500-0917	185626	<0.004	0.223	0.125	<2	2.3
RET-SW-051500-0952	185627	<0.004	0.164	0.083	3	2.1
RET-SE-051500-1023	185628	<0.004	0.256	0.139	4	2.0
NE-D-051500-1127	185629	<0.004	0.276	0.093	53	4.4
NE-S-051500-1115	185630	<0.004	0.119	0.055	<2	1.8
SOUTH WELL-051500-1200	185631	<0.004	0.066	0.063	3	1.7
WEST-D-051500-1318	185632	<0.004	0.071	0.059	<2	2.0
WEST-S-051500-1321	185633	<0.004	0.090	0.070	<2	1.4
NORTH WELL-051500-1357	185634	<0.004	0.089	0.065	<2	1.5

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10.2 Alt. Method: None

Range	% RSD	QC Control Limit
0	0.00	NO DATA
0	0.00	NO DATA
0	0.00	NO DATA
0	0.00	NO DATA
0	0.00	NO DATA
0	0.00	NO DATA
0	0.00	NO DATA
0	0.00	NO DATA
0	0.00	NO DATA

50.1 Alt. Method: None

Range	% RSD	QC Control Limit
0.0010	0.18	10.53
0	0.00	10.53
0.0030	2.22	10.53
0.0030	2.29	10.57
0.0020	0.35	10.58
0.0020	0.39	11.04
0	0.00	11.06
0	0.00	11.26

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Spikes

PPB Number	Client ID	% MS	% MSD	Spike Recovery Control Limits	% RSD	% RSD Control Limit
184771	RET-NS-050100-1017	104	---	89 TO 118	----	----
185109	WEST-D-050400-1002	102	---	90 TO 117	----	----
185171	SOUTH WELL-050800-1105	101	---	91 TO 116	----	----
185475	WEST-D-051100-1318	99	---	91 TO 116	----	----
185628	RET-SE-051500-1023	96	---	90 TO 116	----	----
185874	RET-NS-051800-1036	104	---	92 TO 114	----	----
186127	RET-NS-052300-0914	103	---	92 TO 112	----	----
186388	RET-SW-052500-0944	105	---	94 TO 111	----	----

References

Reference ID	Target	Found	% Recovery	Control Limits
WW9983	13.1	13.0	99	88 TO 122
WW9983	13.1	14.6	111	88 TO 122
WW9983	13.1	14.8	113	88 TO 122
WW9983	13.1	12.8	98	88 TO 123
WW9983	13.1	13.5	103	87 TO 123

KJELDAHL NITROGEN mg/L WA Method: EPA 351.2 Alt. Method: None

Duplicates

PPB Number	Client ID	Value 1	Value 2	Range	% RSD	QC Control Limit
184776	NE-D-050100-1417	0.69	0.72	0.030	3.01	21.68
185108	SOUTH WELL-050400-0906	0.84	0.83	0.010	0.85	21.41
185169	RET-ND-050800-0932	0.89	0.94	0.050	3.86	21.46
185470	RET-ND-051100-1027	0.82	0.58	0.24	24.24	21.11
185625	RET-ND-051500-0912	0.78	0.78	0	0.00	23.41
185874	RET-NS-051800-1036	0.64	0.65	0.010	1.10	20.61
185877	NORTH WELL-051800-1220	0.65	0.68	0.030	3.19	20.19
185879	WEST-S-051800-1410	0.71	0.72	0.010	0.99	20.13
186125	RET-ND-052300-0910	0.74	0.75	0.010	0.95	20.10
186380	SOUTH WELL-052500-1123	0.71	0.74	0.030	2.93	20.14

ppb
ENVIRONMENTAL LABORATORIES, INC.

Spikes

PPB Number	Client ID	% MS	% MSD	Spike Recovery Control Limits	% RSD	% RSD Control Limit
184777	NE-S-050100-1414	103	---	42 TO 148	----	----
185109	WEST-D-050400-1002	108	---	44 TO 149	----	----
185170	RET-NS-050800-0932	103	---	45 TO 151	----	----
185471	RET-NS-051100-1025	91	---	66 TO 131	----	----
185626	RET-NS-051500-0917	104	---	69 TO 127	----	----
185875	RET-SW-051800-1114	100	---	64 TO 127	----	----
185878	WEST-D-051800-1359	88	---	65 TO 127	----	----
185880	SOUTH WELL-051800-1442	91	---	65 TO 126	----	----
186126	NORTH WELL-052300-1330	84	---	42 TO 142	----	----
186381	WEST-D-052500-1204	89	---	66 TO 124	----	----

References

Reference ID	Target	Found	% Recovery	Control Limits
WW9987	10.9	11.3	104	83 TO 122
WW9987	10.9	10.9	100	83 TO 122
WW9987	10.9	10.8	99	83 TO 122
WW9987	10.9	12.1	111	83 TO 122
WW9987	10.9	12.1	111	83 TO 123
ww9987	10.9	11.1	102	83 TO 124
WW9987	10.9	11.3	104	84 TO 123
WW9987	10.9	10.9	100	84 TO 123
ww9987	10.9	9.93	91	85 TO 123
WW9987	10.9	10.9	100	84 TO 123
WW9987	10.9	11.2	103	84 TO 123

NITRATE/NITRITE mg/L WA Method: EPA 353.2 Alt. Method: None

6821 SW ARCHER ROAD, GAINESVILLE, FL 32608 (352) 377-2349 Fax (352) 395-6639 ppb@atlantic.net

S , I N C .

QC Control Limit
NO DATA
NO DATA
NO DATA
NO DATA
NO DATA
NO DATA
NO DATA
NO DATA
NO DATA
NO DATA

% RSD ontrol Limit

6639 ppb@a: antic net

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mg/L WA Method: EPA 353.3 Alt. Method: None

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ber	Client ID	Value 1	Value 2	Range	% RSD	QC Control Limit
5	NORTH WELL-050100-1133	<0.003	<0.003	0	0.00	NO DATA
2	NE-D-050400-1240	<0.003	<0.003	0	0.00	NO DATA
2	WEST-D-050800-1204	<0.003	<0.003	0	0.00	NO DATA
1	RET-NS-051100-1025	<0.003	<0.003	0	0.00	NO DATA
8	RET-SE-051500-1023	<0.003	<0.003	0	0.00	NO DATA
2	NE-S-051800-0924	<0.003	<0.003	0	0.00	NO DATA
8	RET-SW-052300-0951	<0.003	<0.003	0	0.00	NO DATA
2	RET-ND-052500-0854	<0.003	<0.003	0	0.00	NO DATA
7	RET-NS-052500-0913	<0.003	<0.003	0	0.00	NO DATA

ber	Client ID	% MS	% MSD	Spike Recovery Control Limits	% RSD	% RSD Control Limit
1	RET-NS-050100-1017	99	---	74 TO 118	----	----
8	SOUTH WELL-050400-0906	100	---	74 TO 118	----	----
0	RET-NS-050800-0932	100	---	75 TO 119	----	----
2	RET-SW-051100-1109	103	---	75 TO 117	----	----
3	WEST-S-051500-1321	95	---	48 TO 140	----	----
3	RET-ND-051800-1033	91	---	48 TO 140	----	----
0	NE-D-052300-1112	99	---	48 TO 140	----	----
3	NORTH WELL-052500-1233	101	---	49 TO 140	----	----
8	RET-SW-052500-0944	103	---	49 TO 140	----	----

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ce ID	Target	Found	% Recovery	Control Limits
	100	101	101	83 TO 119
	100	101	101	83 TO 119
	100	99.6	100	83 TO 119
	107	106	99	82 TO 119
	107	108	101	82 TO 118
	107	92.6	87	82 TO 118
	117	107.4	92	80 TO 119

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References

Reference ID	Target	Found	% Recovery	Control Limits
ALDRICH	0.535	0.546	102	79 TO 119
ALDRICH	107	107	100	79 TO 119

NITRATE mg/L WA Method: EPA 353.2 Alt. Method: None

NO DUPLICATE QC DATA FOUND

NO SPIKE QC DATA FOUND

NO REFERENCE QC DATA FOUND

TOTAL PHOSPHORUS mg/L WA Method: EPA 365.3 Alt. Method: None

Duplicates

PPB Number	Client ID	Value 1	Value 2	Range	% RSD	QC Control Limit
184770	RET-ND-050100-0943	0.141	0.152	0.011	5.31	18.27
185109	WEST-D-050400-1002	0.059	0.059	0	0.00	14.33
185169	RET-ND-050800-0932	0.127	0.140	0.013	6.89	14.40
185471	RET-NS-051100-1025	0.162	0.141	0.021	9.80	20.04
185628	RET-SE-051500-1023	0.243	0.269	0.026	7.18	12.52
185631	SOUTH WELL-051500-1200	0.063	0.069	0.0060	6.43	22.40
185874	RET-NS-051800-1036	0.210	0.183	0.027	9.72	29.66
186133	WEST-D-052300-1259	0.050	0.048	0.0020	2.89	31.60
186380	SOUTH WELL-052500-1123	0.074	0.070	0.0040	3.93	32.78
186387	RET-NS-052500-0913	0.166	0.167	0.0010	0.42	32.77

Spikes

PPB Number	Client ID	% MS	% MSD	Spike Recovery Control Limits	% RSD	% RSD Control Limit
184771	RET-NS-050100-1017	110	---	84 TO 124	----	----
185111	NORTH WELL-050400-1052	110	---	82 TO 127	----	----
185170	RET-NS-050800-0932	108	---	83 TO 126	----	----

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% MS	% MSD	Spike Recovery Control Limits	% RSD	% RSD Control Limit
96	---	81 TO 130	----	----
112	---	80 TO 130	----	----
97	---	79 TO 130	----	----
98	---	88 TO 120	----	----
116	---	82 TO 128	----	----
108	---	82 TO 130	----	----
106	---	82 TO 130	----	----

d	% Recovery	Control Limits
7	110	90 TO 122
4	108	91 TO 122
2	104	91 TO 121
8	105	91 TO 121
8	105	92 TO 120
5	104	93 TO 119
8	108	96 TO 117
5	104	96 TO 117
7	110	95 TO 117
6	99	94 TO 117
9	106	94 TO 117
7	95	94 TO 117
5	97	93 TO 117
1	107	93 TO 117

mg/L WA Method: EPA 365.2 Alt. Method: None

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nt ID	Value 1	Value 2	Range	% RSD	QC Control Limit
ND-050100-0943	0.132	0.135	0.0030	1.59	13.06
-D-050400-1002	0.046	0.046	0	0.00	12.80
-D-050800-1204	0.061	0.062	0.0010	1.15	12.59
SW-051100-1109	0.071	0.071	0	0.00	12.35
NS-051500-0917	0.125	0.125	0	0.00	12.13
-051800-0932	0.058	0.058	0	0.00	11.78
SW-052300-0951	0.083	0.082	0.0010	0.86	11.61
ND-052500-0854	0.081	0.078	0.0030	2.67	11.41
SW-052500-0944	0.055	0.054	0.0010	1.30	11.28

nt ID	% MS	% MSD	Spike Recovery Control Limits	% RSD	% RSD Control Limit
NS-050100-1017	104	---	51 TO 144	----	----
H WELL-050400-1052	106	---	51 TO 144	----	----
-S-050800-1225	98	---	51 TO 144	----	----
-D-051100-1318	102	---	52 TO 144	----	----
SW-051500-0952	104	---	52 TO 145	----	----
-051800-0924	104	---	52 TO 146	----	----
SE-052300-1019	106	---	53 TO 146	----	----
H WELL-052500-1233	85	---	53 TO 145	----	----
H WELL-052500-1233	85	---	53 TO 145	----	----
SE-052500-1007	102	---	52 TO 145	----	----

Target	Found	% Recovery	Control Limits
5.47	6.03	110	79 TO 126
5.47	5.79	106	78 TO 127
5.47	5.74	105	78 TO 126
5.47	5.64	103	78 TO 126
5.47	5.61	102	79 TO 126
5.47	5.46	100	80 TO 125
5.47	5.82	106	80 TO 124
5.47	5.50	101	81 TO 122

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References

Reference ID	Target	Found	% Recovery	Control Limits
WW9983	5.47	5.82	106	81 TO 122

TOTAL SUSP. SOLIDS mg/L WA Method: EPA 160.2 Alt. Method: None

Duplicates

PPB Number	Client ID	Value 1	Value 2	Range	% RSD	QC Control Limit
184771	RET-NS-050100-1017	7	8	1.0	9.43	NO DATA
185111	NORTH WELL-050400-1052	3	<2	2.0	70.71	NO DATA
185169	RET-ND-050800-0932	<2	<2	0	0.00	NO DATA
185175	NE-D-050800-1504	35	36	1.0	1.99	67.79
185472	RET-SW-051100-1109	3	3	0	0.00	NO DATA
185634	NORTH WELL-051500-1357	<2	<2	0	0.00	NO DATA
185880	SOUTH WELL-051800-1442	5	5	0	0.00	NO DATA
186128	RET-SW-052300-0951	<2	<2	0	0.00	NO DATA
186390	NE-D-052500-1048	20	20	0	0.00	53.18

NO SPIKE QC DATA FOUND

References

Reference ID	Target	Found	% Recovery	Control Limits
WW9984	34	33	99	21 TO 205
9984	24.5	24	98	20 TO 204
9974	41.2	40	97	20 TO 202
WW9984	24.5	20	82	20 TO 199
WW9984	24.5	20	82	30 TO 183

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TURBIDITY ntu WA Method: EPA 180.1 Alt. Method: None

Duplicates

PPB Number	Client ID	Value 1	Value 2	Range	% RSD	QC Control Limit
184772	SOUTH WELL-050100-1053	4.3	4.6	0.30	4.77	10.77
185109	WEST-D-050400-1002	3.3	3.8	0.50	9.96	13.60
185172	WEST-D-050800-1204	2.0	2.1	0.10	3.45	13.77
185471	RET-NS-051100-1025	1.3	1.3	0	0.00	13.72
185628	RET-SE-051500-1023	2.0	2.1	0.10	3.45	13.47
185871	NE-D-051800-0932	1.4	1.2	0.20	10.88	12.81
186128	RET-SW-052300-0951	1.1	1.2	0.10	6.15	13.66
186130	NE-D-052300-1112	41	44	3.0	4.99	12.54
186380	SOUTH WELL-052500-1123	1.3	1.3	0	0.00	14.28
186387	RET-NS-052500-0913	1.5	1.4	0.10	4.88	14.27

NO SPIKE QC DATA FOUND

References

Reference ID	Target	Found	% Recovery	Control Limits
HACH4000	4000	3700	93	77 TO 133
HACH4000	4000	4500	112	76 TO 133
HACH4000	4000	4300	107	76 TO 133
FORMAZIN	4000	3822	96	76 TO 133
FORMAZIN	4000	4000	100	76 TO 132
FORMAZIN	4000	3500	87	80 TO 126
FORMAZIN	4000	4100	102	78 TO 124
FORMAZIN	4000	3673	92	79 TO 123

B O R A T O R I E S , I N C.

ALYST REPORT

NALYSIS

E	TIME	BY	MATRIX
---	----	---	------
/00	1635	MNR	WA
/00	2021	MNR	WA
/00	1401	MNR	WA
/00	2002	MNR	WA
/00	1600	WCB	WA
/00	1415	KDS	WA
/00	1540	LSL	WA
/00	1715	KDS	WA
/00	1300	KDS	WA
/00	0800	AMW	WA
/00	0315	MNR	WA
/00	0700	AMW	WA
/00	1300	RPP	WA
/00	1637	MNR	WA
/00	2022	MNR	WA
/00	1409	MNR	WA
/00	1600	RPP	WA
/00	1600	JK	WA
/00	1200	AMW	WA
/00	1920	JK	WA
/00	1830	VAW	WA
/00	1645	KDS	WA
/00	0700	AMW	WA
/00	0700	AMW	WA
/00	0651	CEP	WA
/00	1600	JK	WA
/00	0245	MNR	WA
/00	1000	JK	WA
/00	0050	MNR	WA
/00	1637	MNR	WA
/00	2022	MNR	WA
/00	1409	MNR	WA
/00	1600	RPP	WA
/00	1645	KDS	WA
/00	1600	JK	WA
/00	1200	AMW	WA
/00	1920	JK	WA
/00	1830	VAW	WA
/00	1345	KDS	WA

2) 377-2349 Fax (352) 395-6639 ppb@a: antic et

ppb
ENVIRONMENTAL LABORATORIES, INC.

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	MATRIX
OP	EPA 365.2	/ /		05/05/00	2019	MNR	WA
OP	EPA 365.2	/ /		05/09/00	1730	MCF	WA
OP	EPA 365.2	/ /		05/12/00	2001	MNR	WA
OP	EPA 365.2	/ /		05/16/00	1501	BFC	WA
OP	EPA 365.2	/ /		05/19/00	1615	KDS	WA
OP	EPA 365.2	/ /		05/24/00	2000	JK	WA
OP	EPA 365.2	/ /		05/26/00	1630	RPP	WA
OP	EPA 365.2	/ /		05/31/00	1440	KDS	WA
TKN	EPA 351.2	05/08/00	TW	05/12/00	1713	FDR	WA
TKN	EPA 351.2	05/16/00	FDR	05/19/00	2149	MNR	WA
TKN	EPA 351.2	05/10/00	KDS	05/19/00	2302	MNR	WA
TKN	EPA 351.2	05/20/00	VAW	05/23/00	1300	KDS	WA
TKN	EPA 351.2	05/22/00	FDR	05/26/00	0700	AMW	WA
TKN	EPA 351.2	06/02/00	TW	06/06/00	1400	RPP	WA
TKN	EPA 351.2	06/05/00	FDR	06/08/00	1622	FDR	WA
TKN	EPA 351.2	06/04/00	VAW	06/12/00	1700	JK	WA
TP	EPA 365.3	/ /		05/19/00	1423	FDR	WA
TP	EPA 365.3	/ /		05/22/00	0932	JK	WA
TP	EPA 365.3	/ /		05/23/00	1623	FDR	WA
TP	EPA 365.3	/ /		05/23/00	1623	FDR	WA
TP	EPA 365.3	/ /		05/30/00	1711	FDR	WA
TP	EPA 365.3	/ /		06/02/00	0900	JK	WA
TP	EPA 365.3	/ /		06/05/00	2415	VAW	WA
TP	EPA 365.3	/ /		06/07/00	1000	ARL	WA
TP	EPA 365.3	/ /		06/07/00	1700	MCF	WA
TP	EPA 365.3	/ /		06/11/00	1632	FDR	WA
TSS	EPA 160.2	/ /		05/08/00	1630	WCB	WA
TSS	EPA 160.2	/ /		05/16/00	1100	AMW	WA
TSS	EPA 160.2	/ /		05/22/00	1300	RPP	WA
TSS	EPA 160.2	/ /		05/25/00	1000	FKE	WA
TSS	EPA 160.2	/ /		05/30/00	1300	CB	WA
TSS	EPA 160.2	/ /		05/30/00	1430	CB	WA
TURB	EPA 180.1	/ /		05/02/00	1634	MNR	WA
TURB	EPA 180.1	/ /		05/05/00	2019	MNR	WA
TURB	EPA 180.1	/ /		05/09/00	2150	MNR	WA
TURB	EPA 180.1	/ /		05/12/00	1500	RPP	WA
TURB	EPA 180.1	/ /		05/16/00	1330	WCB	WA
TURB	EPA 180.1	/ /		05/20/00	1000	AMW	WA
TURB	EPA 180.1	/ /		05/24/00	1540	LSL	WA

6821 SW ARCHER ROAD, GAINESVILLE, FL 32608 (352) 377-2349 Fax (352) 395-6639 ppb@atlantic.net

ENVIRONMENTAL LABORATORIES, INC.

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	PREP DATE	PREP BY	ANALYSIS DATE	ANALYSIS TIME	ANALYSIS BY	MATRIX
TURB	EPA 180.1	/ /		05/26/00	1530	KDS	WA
TURB	EPA 180.1	/ /		05/31/00	1351	KDS	WA

6821 SW ARCHER ROAD, GAINESVILLE, FL 32608 (352) 377-2349 Fax (352) 395-6639 ppb@atlantic.net

	LAB NO.	COLOR	NH3	TKN	NO2_NO3	NO2
		cpu	mg/L	mg/L	mg/L	mg/L
	184770	25	0.390	0.74	<0.004	<0.003
	184771	25	0.044	0.67	<0.004	<0.003
3	184772	20	0.290	0.79	<0.004	<0.003
	184773	20	0.435	0.83	<0.004	<0.003
	184774	25	0.142	0.69	<0.004	<0.003
3	184775	30	0.079	0.63	<0.004	<0.003
	184776	15	0.424	0.70	<0.004	<0.003
	184777	15	0.392	0.75	<0.004	<0.003
6	185108	25	0.233	0.84	<0.004	<0.003
	185109	20	0.421	0.93	<0.004	<0.003
	185110	30	0.114	0.77	<0.004	<0.003
2	185111	30	0.158	0.95	<0.004	<0.003
	185112	20	0.412	0.85	<0.004	<0.003
	185113	25	0.400	0.93	<0.004	<0.003
	185169	20	0.412	0.92	<0.004	<0.003
	185170	25	0.045	0.76	<0.004	<0.003
5	185171	30	0.192	0.94	<0.004	<0.003
	185172	20	0.461	1.07	<0.004	<0.003
	185173	30	0.096	0.80	<0.004	<0.003
3	185174	30	0.112	0.94	<0.004	<0.003
	185175	15	0.456	0.89	<0.004	<0.003
	185176	30	0.418	0.92	<0.004	<0.003
	185470	25	0.404	0.70	<0.004	<0.003
	185471	30	0.073	0.73	<0.004	<0.003
	185472	25	0.092	0.73	<0.004	<0.003
	185473	35	0.234	0.92	<0.004	<0.003
	185474	30	0.179	0.77	<0.004	<0.003
	185475	25	0.464	0.90	<0.004	<0.003
	185476	30	0.102	0.84	<0.004	<0.003
5	185477	30	0.149	0.83	<0.004	<0.003
	185478	15	0.444	0.75	<0.004	<0.003
	185479	20	0.408	0.80	<0.004	<0.003
	185625	25	0.395	0.779	<0.004	<0.003
	185626	30	0.094	0.687	<0.004	<0.003
	185627	30	0.127	0.796	<0.004	<0.003
	185628	45	0.222	0.962	<0.004	<0.003
	185629	15	0.442	0.722	<0.004	<0.003
	185630	25	0.400	0.765	<0.004	<0.003
)	185631	30	0.183	0.762	<0.004	<0.003
	185632	25	0.428	0.817	<0.004	<0.003
	185633	30	0.116	0.666	<0.004	<0.003
7	185634	30	0.182	0.749	<0.004	<0.003

3	TKN	NO2_NO3	NO2
/L	mg/L	mg/L	mg/L
98	0.66	<0.004	<0.003
58	0.78	<0.004	<0.003
53	0.73	<0.004	<0.003
37	0.64	<0.004	<0.003
34	0.75	<0.004	<0.003
1	0.86	<0.004	<0.003
01	0.67	<0.004	<0.003
99	0.84	<0.004	<0.003
58	0.71	<0.004	<0.003
74	0.74	<0.004	<0.003
77	0.74	<0.004	<0.003
40	0.67	<0.004	<0.003
00	0.63	<0.004	<0.003
32	0.62	<0.004	<0.003
23	0.75	<0.004	<0.003
96	0.68	<0.004	<0.003
73	0.70	<0.004	<0.003
77	0.70	<0.004	<0.003
01	0.88	<0.004	<0.003
04	0.71	<0.004	<0.003
08	0.72	<0.004	<0.003
7	0.91	<0.004	<0.003
8	0.88	<0.004	<0.003
6	0.79	<0.004	<0.003
1	0.76	<0.004	<0.003
8	0.86	<0.004	<0.003
2	0.82	<0.004	<0.003
2	0.82	<0.004	<0.003
2	0.83	<0.004	<0.003
0	0.79	<0.004	<0.003

OP	TSS	TURB
mg/L	mg/L	ntu
).134	2	4.2
).137	8	6.5
).067	8	4.4
).061	4	3.7
).069	5	3.6
).055	5	1.9
).080	162	45
).048	11	5.4
).033	5	1.2
).046	3	3.6
).030	4	1.3
).022	3	1.1
).097	79	36
).026	4	2.3
).095	<2	1.30
).120	5	1.15
).058	5	1.35
).062	4	2.0
).064	4	1.6
).050	3	0.35
).076	36	3.3
).054	4	2.7
).092	<2	1.2
).122	5	1.3
).071	3	1.1
).126	6	1.3
).053	2	1.1
).053	<2	1.3
).058	<2	1.0
).051	<2	0.95
).086	44	22
.048	2	2.1
.085	2	1.7
.125	<2	2.3
.083	3	2.1
.139	4	2.0
.093	53	4.4
.055	<2	1.8
.063	3	1.7
.059	<2	2.0
.070	<2	1.4
.065	<2	1.5

TP	OP	TSS	TURB
g/L	mg/L	mg/L	ntu
273	0.058	<2	1.3
125	0.053	4	2.2
145	0.100	4	1.4
196	0.116	3	1.1
173	0.087	<2	1.3
233	0.123	3	1.3
189	0.074	4	1.3
133	0.062	3	1.7
116	0.073	5	1.4
145	0.068	5	1.7
092	0.072	<2	1.9
080	0.061	<2	2.3
124	0.106	<2	1.8
105	0.083	<2	1.2
138	0.116	<2	1.7
180	0.099	60	40
071	0.046	7	2.3
080	0.057	2	2.9
049	0.036	<2	2.7
078	0.059	<2	1.6
072	0.052	5	1.3
056	0.041	4	1.8
104	0.080	<2	1.3
083	0.068	2	1.6
071	0.054	<2	1.2
166	0.064	2	1.4
095	0.054	<2	1.4
128	0.081	<2	1.3
169	0.052	20	3.6
070	0.028	3	1.7