

KSA Environmental Laboratory Inc.

February 26, 2007

Hydrologic Associates - Miami

Attn: Brad Waller

8925 S.W. 148th Street Suite 212

Miami, FL 33176

RE: Parkland
KSA Workorder: Q001202

Dear Brad Waller,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on 02/16/07 13:55.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards. This report shall not be reproduced except in full, without the written approval of the Laboratory.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Emerson Perez
Project Manager

Enclosure(s)

CASE NARRATIVE

KSA Work Order #: Q001202

Project Name: Parkland

I. Sample Receiving Notes

All samples listed on the Chain of Custody identified with KSA Work Order # Q001202 were received with containers intact, correctly preserved, and at the proper temperature for the requested analyses.

II. Analytical Data Notes

The analyses were performed in accordance with KSA Environmental Laboratory SOP's and industry-standard methodologies in compliance with FDEP/NELAC criteria. There were no notable problems encountered in the analytical process.

III. Quality Control Notes

EPA 8081: The LCS/LCSD RPD for batch 7020498 exceeded laboratory guidelines for delta-BHC, Endosulfan sulfate, and Endrin aldehyde; however, the LCS and LCSD percent recoveries were within control limits. The associated samples are flagged with the FDEP "J" qualifier.

EPA 8260: The LCS/LCSD RPD for batch 7020583 exceeded laboratory guidelines for 1,1,1-Trichloroethane; however, the LCS and LCSD percent recoveries were within control limits. The associated samples are flagged with the FDEP "J" qualifier.

EPA 300.0: The LCS/LCSD recovered slightly above the control limits for Nitrite; however, since this analyte was detected below PQL in the samples and the high recovery would yield a high bias, no further corrective action was necessary.

SAMPLE SUMMARY

	<u>Client ID</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Q001202-01	MW-East	Groundwater	02/15/07 00:00	02/16/07 13:55
Q001202-02	MW-West	Groundwater	02/15/07 00:00	02/16/07 13:55

ANALYTICAL REPORT

Sample ID: MW-East
 Lab #: Q001202-01
 Sampled: 02/15/07 0:00

Project: Parkland
 Work Order #: Q001202
 Matrix: Groundwater

Priority Pollutant Volatiles

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
1,1,1-Trichloroethane	0.18 ug/L U		1	0.18	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
1,1,2,2-Tetrachloroethane	0.36 ug/L U		1	0.36	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
1,1,2-Trichloroethane	0.36 ug/L U		1	0.36	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
1,1-Dichloroethane	0.31 ug/L U		1	0.31	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
1,1-Dichloroethene	0.25 ug/L U		1	0.25	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
1,2-Dichloroethane	0.29 ug/L U		1	0.29	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
1,2-Dichloropropane	0.41 ug/L U		1	0.41	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
2-Chloroethylvinyl ether	2.2 ug/L U		1	2.2	5.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Acrolein	2.0 ug/L U		1	2.0	10	8260	02/20/07 9:08	02/20/07 19:02	7020548
Acrylonitrile	5.2 ug/L U		1	5.2	10	8260	02/20/07 9:08	02/20/07 19:02	7020548
Benzene	0.36 ug/L U		1	0.36	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Bromodichloromethane	0.26 ug/L U		1	0.26	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Bromoform	0.41 ug/L U		1	0.41	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Bromomethane	0.77 ug/L U		1	0.77	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Carbon tetrachloride	0.15 ug/L U		1	0.15	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Chlorobenzene	0.23 ug/L U		1	0.23	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Chlorodibromomethane	0.30 ug/L U		1	0.30	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Chloroethane	0.66 ug/L U		1	0.66	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Chloroform	0.30 ug/L U		1	0.30	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Chloromethane	0.72 ug/L U		1	0.72	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
cis-1,3-Dichloropropene	0.32 ug/L U		1	0.32	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Ethylbenzene	0.33 ug/L U		1	0.33	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Methylene chloride	0.42 ug/L U		1	0.42	5.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Tetrachloroethene	0.34 ug/L U		1	0.34	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Toluene	0.31 ug/L U		1	0.31	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
trans-1,2-Dichloroethene	0.38 ug/L U		1	0.38	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
trans-1,3-Dichloropropene	0.34 ug/L U		1	0.34	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Trichloroethene	0.42 ug/L U		1	0.42	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548
Vinyl chloride	0.31 ug/L U		1	0.31	1.0	8260	02/20/07 9:08	02/20/07 19:02	7020548

Surrogate Recovery	% Recovery	% Recovery Limits
1,2-Dichloroethane-d4	106 %	72-136
4-Bromofluorobenzene	96.5 %	79-117
Dibromofluoromethane	106 %	77-131
Toluene-d8	90.8 %	78-125

Organochlorine Pesticides

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
4,4'-DDD	0.0021 ug/L U		1	0.0021	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498

Florida Certifications: E86349 & E86616 (Microbiology)

ANALYTICAL REPORT

Sample ID: MW-East
 Lab #: Q001202-01
 Sampled: 02/15/07 0:00

Project: Parkland
 Work Order #: Q001202
 Matrix: Groundwater

Organochlorine Pesticides

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
4,4'-DDE	0.0039 ug/L U		1	0.0039	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
4,4'-DDT	0.0032 ug/L U		1	0.0032	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
Aldrin	0.0041 ug/L U		1	0.0041	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
alpha-BHC	0.0038 ug/L U		1	0.0038	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
beta-BHC	0.0041 ug/L U		1	0.0041	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
Chlordane (tech)	0.16 ug/L U		1	0.16	0.24	8081	02/19/07 8:50	02/22/07 8:30	7020498
delta-BHC	0.0040 ug/L J, U		1	0.0040	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
Dieldrin	0.0028 ug/L U		1	0.0028	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
Endosulfan I	0.0028 ug/L U		1	0.0028	0.0057	8081	02/19/07 8:50	02/22/07 8:30	7020498
Endosulfan II	0.0013 ug/L U		1	0.0013	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
Endosulfan sulfate	0.0073 ug/L J, U		1	0.0073	0.0094	8081	02/19/07 8:50	02/22/07 8:30	7020498
Endrin	0.014 ug/L U		1	0.014	0.094	8081	02/19/07 8:50	02/22/07 8:30	7020498
Endrin aldehyde	0.0036 ug/L J, U		1	0.0036	0.0047	8081	02/19/07 8:50	02/22/07 8:30	7020498
gamma-BHC (Lindane)	0.013 ug/L U		1	0.013	0.094	8081	02/19/07 8:50	02/22/07 8:30	7020498
Heptachlor	0.0098 ug/L U		1	0.0098	0.094	8081	02/19/07 8:50	02/22/07 8:30	7020498
Heptachlor epoxide	0.016 ug/L U		1	0.016	0.094	8081	02/19/07 8:50	02/22/07 8:30	7020498
Methoxychlor	0.018 ug/L U		1	0.018	0.094	8081	02/19/07 8:50	02/22/07 8:30	7020498
Toxaphene	0.45 ug/L U		1	0.45	0.47	8081	02/19/07 8:50	02/22/07 8:30	7020498

Surrogate Recovery

% Recovery

% Recovery Limits

Decachlorobiphenyl	111 %	41-129	7020498
Tetrachloro-meta-xylene	83.1 %	42-129	7020498

Polychlorinated Biphenyls

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
PCB-1016	0.12 ug/L U		1	0.12	0.24	8082	02/19/07 8:52	02/19/07 17:02	7020499
PCB-1221	0.066 ug/L U		1	0.066	0.24	8082	02/19/07 8:52	02/19/07 17:02	7020499
PCB-1232	0.017 ug/L U		1	0.017	0.24	8082	02/19/07 8:52	02/19/07 17:02	7020499
PCB-1242	0.066 ug/L U		1	0.066	0.24	8082	02/19/07 8:52	02/19/07 17:02	7020499
PCB-1248	0.066 ug/L U		1	0.066	0.24	8082	02/19/07 8:52	02/19/07 17:02	7020499
PCB-1254	0.066 ug/L U		1	0.066	0.24	8082	02/19/07 8:52	02/19/07 17:02	7020499
PCB-1260	0.16 ug/L U		1	0.16	0.24	8082	02/19/07 8:52	02/19/07 17:02	7020499

Surrogate Recovery

% Recovery

% Recovery Limits

Decachlorobiphenyl	117 %	10-115	7020499
Tetrachloro-meta-xylene	73.3 %	10-166	7020499

ANALYTICAL REPORT

Sample ID: MW-East
 Lab #: Q001202-01
 Sampled: 02/15/07 0:00

Project: Parkland
 Work Order #: Q001202
 Matrix: Groundwater

Metals

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Antimony, Total	0.0028 mg/L U		1	0.0028	0.0060	6010	02/19/07 14:47	02/20/07 12:03	7020517
Arsenic, Total	0.0043 mg/L U		1	0.0043	0.010	6010	02/19/07 14:47	02/20/07 12:03	7020517
Beryllium, Total	0.0013 mg/L U		1	0.0013	0.0040	6010	02/19/07 14:47	02/20/07 12:03	7020517
Cadmium, Total	0.0013 mg/L U		1	0.0013	0.0050	6010	02/19/07 14:47	02/20/07 12:03	7020517
Chromium, Total	0.0012 mg/L U		1	0.0012	0.0050	6010	02/19/07 14:47	02/20/07 12:03	7020517
Copper, Total	0.0043 mg/L U		1	0.0043	0.010	6010	02/19/07 14:47	02/20/07 12:03	7020517
Lead, Total	0.0044 mg/L U		1	0.0044	0.015	6010	02/19/07 14:47	02/20/07 12:03	7020517
Mercury, Total	0.000060 mg/L U		1	0.000060	0.00020	7470	02/19/07 13:55	02/19/07 14:01	7020515
Nickel, Total	0.0016 mg/L U		1	0.0016	0.0050	6010	02/19/07 14:47	02/20/07 12:03	7020517
Selenium, Total	0.0037 mg/L U		1	0.0037	0.010	6010	02/19/07 14:47	02/20/07 12:03	7020517
Silver, Total	0.00057 mg/L U		1	0.00057	0.0050	6010	02/19/07 14:47	02/20/07 12:03	7020517
Thallium, Total	0.0047 mg/L U		1	0.0047	0.010	6010	02/19/07 14:47	02/20/07 12:03	7020517
Zinc, Total	0.0054 mg/L U		1	0.0054	0.020	6010	02/19/07 14:47	02/20/07 12:03	7020517

Wet Chemistry

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Cyanide, Total	0.021 mg/L		1	0.0040	0.0050	335.3	02/21/07 9:00	02/21/07 16:24	7020588
Nitrogen, Ammonia (as N)	0.082 mg/L		1	0.015	0.020	350.1	02/23/07 13:13	02/23/07 15:39	7020656
Nitrogen, Kjeldahl, Total	0.41 mg/L		1	0.091	0.25	351.2	02/20/07 9:00	02/20/07 15:26	7020555
Nitrogen, Nitrate (as N)	3.3 mg/L		1	0.062	0.50	300.0	02/16/07 16:00	02/16/07 16:00	7020505
Nitrogen, Nitrite (as N)	0.29 mg/L I		1	0.021	0.50	300.0	02/16/07 16:00	02/16/07 16:00	7020505
Nitrogen, Organic	0.33 mg/L		1	0.091	0.25	Calc	02/23/07 13:13	02/23/07 15:39	[CALC]
Orthophosphate as P	0.0090 mg/L I		1	0.0080	0.010	365.2	02/17/07 14:30	02/17/07 14:30	7020621
Phenols, Total	0.059 mg/L V		1	0.018	0.020	420.2	02/23/07 15:56	02/25/07 15:00	7020671
Phosphorus, Total	0.047 mg/L U		1	0.047	0.10	365.4	02/19/07 9:00	02/20/07 17:46	7020559

ANALYTICAL REPORT

Sample ID: MW-West
 Lab #: Q001202-02
 Sampled: 02/15/07 0:00

Project: Parkland
 Work Order #: Q001202
 Matrix: Groundwater

Priority Pollutant Volatiles

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
1,1,1-Trichloroethane	0.18 ug/L	J, U	1	0.18	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
1,1,2,2-Tetrachloroethane	0.36 ug/L	U	1	0.36	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
1,1,2-Trichloroethane	0.36 ug/L	U	1	0.36	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
1,1-Dichloroethane	0.31 ug/L	U	1	0.31	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
1,1-Dichloroethene	0.25 ug/L	U	1	0.25	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
1,2-Dichloroethane	0.29 ug/L	U	1	0.29	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
1,2-Dichloropropane	0.41 ug/L	U	1	0.41	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
2-Chloroethylvinyl ether	2.2 ug/L	U	1	2.2	5.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Acrolein	2.0 ug/L	U	1	2.0	10	8260	02/21/07 11:12	02/21/07 14:04	7020583
Acrylonitrile	5.2 ug/L	U	1	5.2	10	8260	02/21/07 11:12	02/21/07 14:04	7020583
Benzene	0.36 ug/L	U	1	0.36	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Bromodichloromethane	0.26 ug/L	U	1	0.26	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Bromoform	0.41 ug/L	U	1	0.41	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Bromomethane	0.77 ug/L	U	1	0.77	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Carbon tetrachloride	0.15 ug/L	U	1	0.15	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Chlorobenzene	0.23 ug/L	U	1	0.23	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Chlorodibromomethane	0.30 ug/L	U	1	0.30	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Chloroethane	0.66 ug/L	U	1	0.66	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Chloroform	0.30 ug/L	U	1	0.30	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Chloromethane	0.72 ug/L	U	1	0.72	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
cis-1,3-Dichloropropene	0.32 ug/L	U	1	0.32	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Ethylbenzene	0.33 ug/L	U	1	0.33	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Methylene chloride	0.42 ug/L	U	1	0.42	5.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Tetrachloroethene	0.34 ug/L	U	1	0.34	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Toluene	0.31 ug/L	U	1	0.31	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
trans-1,2-Dichloroethene	0.38 ug/L	U	1	0.38	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
trans-1,3-Dichloropropene	0.34 ug/L	U	1	0.34	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Trichloroethene	0.42 ug/L	U	1	0.42	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583
Vinyl chloride	0.31 ug/L	U	1	0.31	1.0	8260	02/21/07 11:12	02/21/07 14:04	7020583

Surrogate Recovery	% Recovery	% Recovery Limits
1,2-Dichloroethane-d4	111 %	72-136
4-Bromofluorobenzene	96.2 %	79-117
Dibromofluoromethane	115 %	77-131
Toluene-d8	116 %	78-125

Organochlorine Pesticides

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
4,4'-DDD	0.0020 ug/L	U	1	0.0020	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498

Florida Certifications: E86349 & E86616 (Microbiology)

ANALYTICAL REPORT

Sample ID: MW-West
 Lab #: Q001202-02
 Sampled: 02/15/07 0:00

Project: Parkland
 Work Order #: Q001202
 Matrix: Groundwater

Organochlorine Pesticides

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
4,4'-DDE	0.0038 ug/L U		1	0.0038	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
4,4'-DDT	0.0031 ug/L U		1	0.0031	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
Aldrin	0.0040 ug/L U		1	0.0040	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
alpha-BHC	0.0037 ug/L U		1	0.0037	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
beta-BHC	0.0040 ug/L U		1	0.0040	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
Chlordane (tech)	0.16 ug/L U		1	0.16	0.23	8081	02/19/07 8:50	02/22/07 8:50	7020498
delta-BHC	0.0039 ug/L J, U		1	0.0039	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
Dieldrin	0.0028 ug/L U		1	0.0028	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
Endosulfan I	0.0028 ug/L U		1	0.0028	0.0056	8081	02/19/07 8:50	02/22/07 8:50	7020498
Endosulfan II	0.0013 ug/L U		1	0.0013	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
Endosulfan sulfate	0.0071 ug/L J, U		1	0.0071	0.0093	8081	02/19/07 8:50	02/22/07 8:50	7020498
Endrin	0.014 ug/L U		1	0.014	0.093	8081	02/19/07 8:50	02/22/07 8:50	7020498
Endrin aldehyde	0.0035 ug/L J, U		1	0.0035	0.0046	8081	02/19/07 8:50	02/22/07 8:50	7020498
gamma-BHC (Lindane)	0.013 ug/L U		1	0.013	0.093	8081	02/19/07 8:50	02/22/07 8:50	7020498
Heptachlor	0.0096 ug/L U		1	0.0096	0.093	8081	02/19/07 8:50	02/22/07 8:50	7020498
Heptachlor epoxide	0.016 ug/L U		1	0.016	0.093	8081	02/19/07 8:50	02/22/07 8:50	7020498
Methoxychlor	0.018 ug/L U		1	0.018	0.093	8081	02/19/07 8:50	02/22/07 8:50	7020498
Toxaphene	0.44 ug/L U		1	0.44	0.46	8081	02/19/07 8:50	02/22/07 8:50	7020498

Surrogate Recovery

% Recovery

% Recovery Limits

Decachlorobiphenyl	113 %	41-129	7020498
Tetrachloro-meta-xylene	117 %	42-129	7020498

Polychlorinated Biphenyls

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
PCB-1016	0.11 ug/L U		1	0.11	0.23	8082	02/19/07 8:52	02/19/07 17:22	7020499
PCB-1221	0.065 ug/L U		1	0.065	0.23	8082	02/19/07 8:52	02/19/07 17:22	7020499
PCB-1232	0.017 ug/L U		1	0.017	0.23	8082	02/19/07 8:52	02/19/07 17:22	7020499
PCB-1242	0.065 ug/L U		1	0.065	0.23	8082	02/19/07 8:52	02/19/07 17:22	7020499
PCB-1248	0.065 ug/L U		1	0.065	0.23	8082	02/19/07 8:52	02/19/07 17:22	7020499
PCB-1254	0.065 ug/L U		1	0.065	0.23	8082	02/19/07 8:52	02/19/07 17:22	7020499
PCB-1260	0.16 ug/L U		1	0.16	0.23	8082	02/19/07 8:52	02/19/07 17:22	7020499

Surrogate Recovery

% Recovery

% Recovery Limits

Decachlorobiphenyl	121 %	10-115	7020499
Tetrachloro-meta-xylene	108 %	10-166	7020499

ANALYTICAL REPORT

Sample ID: MW-West
 Lab #: Q001202-02
 Sampled: 02/15/07 0:00

Project: Parkland
 Work Order #: Q001202
 Matrix: Groundwater

Metals

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Antimony, Total	0.0028 mg/L U		1	0.0028	0.0060	6010	02/19/07 14:47	02/20/07 12:03	7020517
Arsenic, Total	0.0043 mg/L U		1	0.0043	0.010	6010	02/19/07 14:47	02/20/07 12:03	7020517
Beryllium, Total	0.0013 mg/L U		1	0.0013	0.0040	6010	02/19/07 14:47	02/20/07 12:03	7020517
Cadmium, Total	0.0013 mg/L U		1	0.0013	0.0050	6010	02/19/07 14:47	02/20/07 12:03	7020517
Chromium, Total	0.0012 mg/L U		1	0.0012	0.0050	6010	02/19/07 14:47	02/20/07 12:03	7020517
Copper, Total	0.0043 mg/L U		1	0.0043	0.010	6010	02/19/07 14:47	02/20/07 12:03	7020517
Lead, Total	0.0044 mg/L U		1	0.0044	0.015	6010	02/19/07 14:47	02/20/07 12:03	7020517
Mercury, Total	0.000060 mg/L U		1	0.000060	0.00020	7470	02/19/07 13:55	02/19/07 14:01	7020515
Nickel, Total	0.0020 mg/L I		1	0.0016	0.0050	6010	02/19/07 14:47	02/20/07 12:03	7020517
Selenium, Total	0.0037 mg/L U		1	0.0037	0.010	6010	02/19/07 14:47	02/20/07 12:03	7020517
Silver, Total	0.00057 mg/L U		1	0.00057	0.0050	6010	02/19/07 14:47	02/20/07 12:03	7020517
Thallium, Total	0.0048 mg/L I		1	0.0047	0.010	6010	02/19/07 14:47	02/20/07 12:03	7020517
Zinc, Total	0.0054 mg/L U		1	0.0054	0.020	6010	02/19/07 14:47	02/20/07 12:03	7020517

Wet Chemistry

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Cyanide, Total	0.018 mg/L		1	0.0040	0.0050	335.3	02/21/07 9:00	02/21/07 16:25	7020588
Nitrogen, Ammonia (as N)	0.015 mg/L U		1	0.015	0.020	350.1	02/23/07 13:13	02/23/07 15:40	7020656
Nitrogen, Kjeldahl, Total	0.39 mg/L		1	0.091	0.25	351.2	02/20/07 9:00	02/20/07 15:28	7020555
Nitrogen, Nitrate (as N)	4.0 mg/L		1	0.062	0.50	300.0	02/16/07 16:00	02/16/07 16:00	7020505
Nitrogen, Nitrite (as N)	0.30 mg/L I		1	0.021	0.50	300.0	02/16/07 16:00	02/16/07 16:00	7020505
Nitrogen, Organic	0.39 mg/L		1	0.091	0.25	Calc	02/23/07 13:13	02/23/07 15:40	[CALC]
Orthophosphate as P	0.010 mg/L		1	0.0080	0.010	365.2	02/17/07 14:30	02/17/07 14:30	7020621
Phenols, Total	0.018 mg/L U		1	0.018	0.020	420.2	02/23/07 15:56	02/25/07 15:00	7020671
Phosphorus, Total	0.047 mg/L U		1	0.047	0.10	365.4	02/19/07 9:00	02/20/07 17:47	7020559

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Priority Pollutant Volatiles - Quality Control

Blank (7020548-BLK1)

Prepared & Analyzed: 20-Feb-07

1,1,1-Trichloroethane	0.18	U	0.18	1.0	ug/L			
1,1,2,2-Tetrachloroethane	0.36	U	0.36	1.0	ug/L			
1,1,2-Trichloroethane	0.36	U	0.36	1.0	ug/L			
1,1-Dichloroethane	0.31	U	0.31	1.0	ug/L			
1,1-Dichloroethene	0.25	U	0.25	1.0	ug/L			
1,2-Dichloroethane	0.29	U	0.29	1.0	ug/L			
1,2-Dichloropropane	0.41	U	0.41	1.0	ug/L			
2-Chloroethylvinyl ether	2.2	U	2.2	5.0	ug/L			
Acrolein	2.0	U	2.0	10	ug/L			
Acrylonitrile	5.2	U	5.2	10	ug/L			
Benzene	0.36	U	0.36	1.0	ug/L			
Bromodichloromethane	0.26	U	0.26	1.0	ug/L			
Bromoform	0.41	U	0.41	1.0	ug/L			
Bromomethane	0.77	U	0.77	1.0	ug/L			
Carbon tetrachloride	0.15	U	0.15	1.0	ug/L			
Chlorobenzene	0.23	U	0.23	1.0	ug/L			
Chlorodibromomethane	0.30	U	0.30	1.0	ug/L			
Chloroethane	0.66	U	0.66	1.0	ug/L			
Chloroform	0.30	U	0.30	1.0	ug/L			
Chloromethane	0.72	U	0.72	1.0	ug/L			
cis-1,3-Dichloropropene	0.32	U	0.32	1.0	ug/L			
Ethylbenzene	0.33	U	0.33	1.0	ug/L			
Methylene chloride	0.42	U	0.42	5.0	ug/L			
Tetrachloroethene	0.34	U	0.34	1.0	ug/L			
Toluene	0.31	U	0.31	1.0	ug/L			
trans-1,2-Dichloroethene	0.38	U	0.38	1.0	ug/L			
trans-1,3-Dichloropropene	0.34	U	0.34	1.0	ug/L			
Trichloroethene	0.42	U	0.42	1.0	ug/L			
Vinyl chloride	0.31	U	0.31	1.0	ug/L			
<i>Surrogate: 1,2-Dichloroethane-d4</i>						112	72-136	
<i>Surrogate: 4-Bromofluorobenzene</i>						97.2	79-117	
<i>Surrogate: Dibromofluoromethane</i>						106	77-131	
<i>Surrogate: Toluene-d8</i>						88.0	78-125	

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Priority Pollutant Volatiles - Quality Control

LCS (7020548-BS1)

Prepared & Analyzed: 20-Feb-07

1,1,1-Trichloroethane					105	79-133		
1,1,2,2-Tetrachloroethane					117	78-127		
1,1,2-Trichloroethane					93.5	77-123		
1,1-Dichloroethane					104	76-127		
1,1-Dichloroethene					108	73-142		
1,2-Dichloropropane					100	77-125		
Benzene					104	80-126		
Chlorobenzene					102	82-118		
Chloroform					112	78-126		
Ethylbenzene					104	83-122		
Tetrachloroethene					82.5	76-126		
Toluene					90.0	77-123		
trans-1,2-Dichloroethene					112	77-126		
Trichloroethene					98.5	79-126		
Vinyl chloride					90.0	67-127		
<i>Surrogate: 1,2-Dichloroethane-d4</i>					<i>112</i>	<i>72-136</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>					<i>102</i>	<i>79-117</i>		
<i>Surrogate: Dibromofluoromethane</i>					<i>108</i>	<i>77-131</i>		
<i>Surrogate: Toluene-d8</i>					<i>89.0</i>	<i>78-125</i>		

Priority Pollutant Volatiles - Quality Control

LCS Dup (7020548-BSD1)

Prepared & Analyzed: 20-Feb-07

1,1,1-Trichloroethane					112	79-133	6.45	20
1,1,2,2-Tetrachloroethane					116	78-127	0.858	20
1,1,2-Trichloroethane					95.5	77-123	2.12	20
1,1-Dichloroethane					110	76-127	5.61	20
1,1-Dichloroethene					115	73-142	6.28	20
1,2-Dichloropropane					104	77-125	3.92	20
Benzene					108	80-126	3.77	20
Chlorobenzene					106	82-118	3.85	20
Chloroform					119	78-126	6.06	20
Ethylbenzene					108	83-122	3.77	20
Tetrachloroethene					88.5	76-126	7.02	20
Toluene					95.5	77-123	5.93	20
trans-1,2-Dichloroethene					118	77-126	5.22	20
Trichloroethene					106	79-126	7.33	20
Vinyl chloride					95.0	67-127	5.41	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>					<i>105</i>	<i>72-136</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>					<i>102</i>	<i>79-117</i>		
<i>Surrogate: Dibromofluoromethane</i>					<i>108</i>	<i>77-131</i>		
<i>Surrogate: Toluene-d8</i>					<i>89.8</i>	<i>78-125</i>		

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Priority Pollutant Volatiles - Quality Control

Matrix Spike (7020548-MS1)	Source: Q001155-02	Prepared & Analyzed: 20-Feb-07	
1,1,1-Trichloroethane		105	70-130
1,1,2,2-Tetrachloroethane		123	70-130
1,1,2-Trichloroethane		98.0	70-130
1,1-Dichloroethane		104	70-130
1,1-Dichloroethene		106	70-130
1,2-Dichloropropane		99.5	70-130
Benzene		104	70-130
Chlorobenzene		102	70-130
Chloroform		113	70-130
Ethylbenzene		93.5	70-130
Tetrachloroethene		80.2	70-130
Toluene		75.5	70-130
trans-1,2-Dichloroethene		102	70-130
Trichloroethene		88.5	70-130
Vinyl chloride		87.5	70-130
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>102</i>	<i>72-136</i>
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>102</i>	<i>79-117</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>104</i>	<i>77-131</i>
<i>Surrogate: Toluene-d8</i>		<i>91.8</i>	<i>78-125</i>

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Priority Pollutant Volatiles - Quality Control

Blank (7020583-BLK1)

Prepared & Analyzed: 21-Feb-07

1,1,1-Trichloroethane	0.18	U	0.18	1.0	ug/L			
1,1,2,2-Tetrachloroethane	0.36	U	0.36	1.0	ug/L			
1,1,2-Trichloroethane	0.36	U	0.36	1.0	ug/L			
1,1-Dichloroethane	0.31	U	0.31	1.0	ug/L			
1,1-Dichloroethene	0.25	U	0.25	1.0	ug/L			
1,2-Dichloroethane	0.29	U	0.29	1.0	ug/L			
1,2-Dichloropropane	0.41	U	0.41	1.0	ug/L			
2-Chloroethylvinyl ether	2.2	U	2.2	5.0	ug/L			
Acrolein	2.0	U	2.0	10	ug/L			
Acrylonitrile	5.2	U	5.2	10	ug/L			
Benzene	0.36	U	0.36	1.0	ug/L			
Bromodichloromethane	0.26	U	0.26	1.0	ug/L			
Bromoform	0.41	U	0.41	1.0	ug/L			
Bromomethane	0.77	U	0.77	1.0	ug/L			
Carbon tetrachloride	0.15	U	0.15	1.0	ug/L			
Chlorobenzene	0.23	U	0.23	1.0	ug/L			
Chlorodibromomethane	0.30	U	0.30	1.0	ug/L			
Chloroethane	0.66	U	0.66	1.0	ug/L			
Chloroform	0.30	U	0.30	1.0	ug/L			
Chloromethane	0.72	U	0.72	1.0	ug/L			
cis-1,3-Dichloropropene	0.32	U	0.32	1.0	ug/L			
Ethylbenzene	0.33	U	0.33	1.0	ug/L			
Methylene chloride	0.42	U	0.42	5.0	ug/L			
Tetrachloroethene	0.34	U	0.34	1.0	ug/L			
Toluene	0.31	U	0.31	1.0	ug/L			
trans-1,2-Dichloroethene	0.38	U	0.38	1.0	ug/L			
trans-1,3-Dichloropropene	0.34	U	0.34	1.0	ug/L			
Trichloroethene	0.42	U	0.42	1.0	ug/L			
Vinyl chloride	0.31	U	0.31	1.0	ug/L			
<i>Surrogate: 1,2-Dichloroethane-d4</i>						108	72-136	
<i>Surrogate: 4-Bromofluorobenzene</i>						96.0	79-117	
<i>Surrogate: Dibromofluoromethane</i>						113	77-131	
<i>Surrogate: Toluene-d8</i>						116	78-125	

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Priority Pollutant Volatiles - Quality Control

LCS (7020583-BS1)

Prepared & Analyzed: 21-Feb-07

1,1,1-Trichloroethane					109	79-133		
1,1,2,2-Tetrachloroethane					95.6	78-127		
1,1,2-Trichloroethane					95.1	77-123		
1,1-Dichloroethane					94.1	76-127		
1,1-Dichloroethene					99.0	73-142		
1,2-Dichloropropane					96.9	77-125		
Benzene					108	80-126		
Chlorobenzene					101	82-118		
Chloroform					96.6	78-126		
Ethylbenzene					102	83-122		
Tetrachloroethene					105	76-126		
Toluene					95.8	77-123		
trans-1,2-Dichloroethene					92.9	77-126		
Trichloroethene					99.1	79-126		
Vinyl chloride					73.0	67-127		
<i>Surrogate: 1,2-Dichloroethane-d4</i>					110	72-136		
<i>Surrogate: 4-Bromofluorobenzene</i>					101	79-117		
<i>Surrogate: Dibromofluoromethane</i>					96.8	77-131		
<i>Surrogate: Toluene-d8</i>					92.2	78-125		

Priority Pollutant Volatiles - Quality Control

LCS Dup (7020583-BSD1)

Prepared & Analyzed: 21-Feb-07

1,1,1-Trichloroethane					83.0	79-133	27.1	20
1,1,2,2-Tetrachloroethane					103	78-127	7.45	20
1,1,2-Trichloroethane					89.5	77-123	6.07	20
1,1-Dichloroethane					84.5	76-127	10.8	20
1,1-Dichloroethene					85.0	73-142	15.2	20
1,2-Dichloropropane					88.5	77-125	9.06	20
Benzene					93.5	80-126	14.4	20
Chlorobenzene					94.0	82-118	7.18	20
Chloroform					84.5	78-126	13.4	20
Ethylbenzene					93.5	83-122	8.70	20
Tetrachloroethene					88.5	76-126	17.1	20
Toluene					85.5	77-123	11.4	20
trans-1,2-Dichloroethene					82.5	77-126	11.9	20
Trichloroethene					83.0	79-126	17.7	20
Vinyl chloride					72.5	67-127	0.687	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>					98.5	72-136		
<i>Surrogate: 4-Bromofluorobenzene</i>					97.5	79-117		
<i>Surrogate: Dibromofluoromethane</i>					90.0	77-131		
<i>Surrogate: Toluene-d8</i>					92.8	78-125		

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Priority Pollutant Volatiles - Quality Control

Matrix Spike (7020583-MS1)	Source: Q001228-01			Prepared & Analyzed: 21-Feb-07				
1,1,1-Trichloroethane					132	70-130		
1,1,2,2-Tetrachloroethane					104	70-130		
1,1,2-Trichloroethane					118	70-130		
1,1-Dichloroethane					120	70-130		
1,1-Dichloroethene					122	70-130		
1,2-Dichloropropane					122	70-130		
Benzene					102	70-130		
Chlorobenzene					99.5	70-130		
Chloroform					125	70-130		
Ethylbenzene					102	70-130		
Tetrachloroethene					126	70-130		
Toluene					118	70-130		
trans-1,2-Dichloroethene					120	70-130		
Trichloroethene					116	70-130		
Vinyl chloride					90.0	70-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>					124	72-136		
<i>Surrogate: 4-Bromofluorobenzene</i>					102	79-117		
<i>Surrogate: Dibromofluoromethane</i>					120	77-131		
<i>Surrogate: Toluene-d8</i>					118	78-125		

Organochlorine Pesticides - Quality Control

Blank (7020498-BLK1)						Prepared: 19-Feb-07 Analyzed: 22-Feb-07		
4,4'-DDD	0.0022	U	0.0022	0.0050	ug/L			
4,4'-DDE	0.0041	U	0.0041	0.0050	ug/L			
4,4'-DDT	0.0034	U	0.0034	0.0050	ug/L			
Aldrin	0.0043	U	0.0043	0.0050	ug/L			
alpha-BHC	0.0040	U	0.0040	0.0050	ug/L			
beta-BHC	0.0043	U	0.0043	0.0050	ug/L			
Chlordane (tech)	0.17	U	0.17	0.25	ug/L			
delta-BHC	0.0042	U	0.0042	0.0050	ug/L			
Dieldrin	0.0030	U	0.0030	0.0050	ug/L			
Endosulfan I	0.0030	U	0.0030	0.0060	ug/L			
Endosulfan II	0.0014	U	0.0014	0.0050	ug/L			
Endosulfan sulfate	0.0077	U	0.0077	0.010	ug/L			
Endrin	0.015	U	0.015	0.10	ug/L			
Endrin aldehyde	0.0038	U	0.0038	0.0050	ug/L			
gamma-BHC (Lindane)	0.014	U	0.014	0.10	ug/L			
Heptachlor	0.010	U	0.010	0.10	ug/L			
Heptachlor epoxide	0.017	U	0.017	0.10	ug/L			
Methoxychlor	0.019	U	0.019	0.10	ug/L			
Toxaphene	0.48	U	0.48	0.50	ug/L			
<i>Surrogate: Decachlorobiphenyl</i>						114	41-129	
<i>Surrogate: Tetrachloro-meta-xylene</i>						115	42-129	

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Organochlorine Pesticides - Quality Control

LCS (7020498-BS1)				Prepared: 19-Feb-07 Analyzed: 22-Feb-07				
4,4'-DDD					119	55-131		
4,4'-DDE					110	57-129		
4,4'-DDT					118	40-179		
Aldrin					102	56-120		
alpha-BHC					92.0	59-133		
beta-BHC					111	41-113		
delta-BHC					113	32-141		
Dieldrin					120	51-133		
Endosulfan I					103	53-132		
Endosulfan II					106	17-130		
Endosulfan sulfate					70.4	10-134		
Endrin					97.6	45-136		
Endrin aldehyde					91.6	11-116		
gamma-BHC (Lindane)					93.2	52-134		
Heptachlor					81.2	58-131		
Heptachlor epoxide					113	49-131		
Methoxychlor					117	32-162		
<i>Surrogate: Decachlorobiphenyl</i>					52.0	41-129		
<i>Surrogate: Tetrachloro-meta-xylene</i>					79.6	42-129		

Organochlorine Pesticides - Quality Control

LCS Dup (7020498-BS1)				Prepared: 19-Feb-07 Analyzed: 22-Feb-07				
4,4'-DDD					111	55-131	6.96	20
4,4'-DDE					104	57-129	5.61	20
4,4'-DDT					96.8	40-179	19.7	20
Aldrin					108	56-120	5.71	20
alpha-BHC					98.4	59-133	6.72	20
beta-BHC					110	41-113	0.905	20
delta-BHC					90.8	32-141	21.8	20
Dieldrin					116	51-133	3.39	20
Endosulfan I					106	53-132	2.87	20
Endosulfan II					88.0	17-130	18.6	20
Endosulfan sulfate					49.6	10-134	34.7	20
Endrin					100	45-136	2.43	20
Endrin aldehyde					69.2	11-116	27.9	20
gamma-BHC (Lindane)					97.2	52-134	4.20	20
Heptachlor					80.4	58-131	0.990	20
Heptachlor epoxide					115	49-131	1.75	20
Methoxychlor					105	32-162	10.8	20
<i>Surrogate: Decachlorobiphenyl</i>					66.4	41-129		
<i>Surrogate: Tetrachloro-meta-xylene</i>					108	42-129		

Polychlorinated Biphenyls - Quality Control

Blank (7020499-BLK1)						Prepared & Analyzed: 19-Feb-07		
PCB-1016	0.12	U	0.12	0.25	ug/L			
PCB-1221	0.070	U	0.070	0.25	ug/L			
PCB-1232	0.018	U	0.018	0.25	ug/L			
PCB-1242	0.070	U	0.070	0.25	ug/L			
PCB-1248	0.070	U	0.070	0.25	ug/L			
PCB-1254	0.070	U	0.070	0.25	ug/L			
PCB-1260	0.17	U	0.17	0.25	ug/L			
<i>Surrogate: Decachlorobiphenyl</i>						117	10-115	
<i>Surrogate: Tetrachloro-meta-xylene</i>						102	10-166	

Florida Certifications: E86349 & E86616 (Microbiology)

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Polychlorinated Biphenyls - Quality Control

LCS (7020499-BS1)				Prepared & Analyzed: 19-Feb-07				
PCB-1248					102	70-130		
<i>Surrogate: Decachlorobiphenyl</i>					121	10-115		
<i>Surrogate: Tetrachloro-meta-xylene</i>					102	10-166		

Polychlorinated Biphenyls - Quality Control

LCS Dup (7020499-BSD1)				Prepared & Analyzed: 19-Feb-07				
PCB-1248					102	70-130	0.00	20
<i>Surrogate: Decachlorobiphenyl</i>					85.6	10-115		
<i>Surrogate: Tetrachloro-meta-xylene</i>					101	10-166		

Metals - Quality Control

Blank (7020515-BLK1)				Prepared & Analyzed: 19-Feb-07				
Mercury, Total	0.000060	U	0.000060	0.00020	mg/L			

Metals - Quality Control

LCS (7020515-BS1)				Prepared & Analyzed: 19-Feb-07				
Mercury, Total					90.5	85-115		

Metals - Quality Control

Matrix Spike (7020515-MS1)		Source: Q001202-02		Prepared & Analyzed: 19-Feb-07				
Mercury, Total					93.7	75-125		

Metals - Quality Control

Matrix Spike Dup (7020515-MSD1)		Source: Q001202-02		Prepared & Analyzed: 19-Feb-07				
Mercury, Total					95.8	75-125	2.22	20

Metals - Quality Control

Blank (7020517-BLK1)				Prepared: 19-Feb-07 Analyzed: 20-Feb-07				
Antimony, Total	0.0028	U	0.0028	0.0060	mg/L			
Arsenic, Total	0.0043	U	0.0043	0.010	mg/L			
Beryllium, Total	0.0013	U	0.0013	0.0040	mg/L			
Cadmium, Total	0.0013	U	0.0013	0.0050	mg/L			
Chromium, Total	0.0012	U	0.0012	0.0050	mg/L			
Copper, Total	0.0043	U	0.0043	0.010	mg/L			
Lead, Total	0.0044	U	0.0044	0.015	mg/L			
Nickel, Total	0.0016	U	0.0016	0.0050	mg/L			
Selenium, Total	0.0037	U	0.0037	0.010	mg/L			
Silver, Total	0.00057	U	0.00057	0.0050	mg/L			
Thallium, Total	0.0047	U	0.0047	0.010	mg/L			
Zinc, Total	0.045		0.0054	0.020	mg/L			

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Metals - Quality Control

LCS (7020517-BS1)

Prepared: 19-Feb-07 Analyzed: 20-Feb-07

Antimony, Total					102	80-120		
Arsenic, Total					102	80-120		
Beryllium, Total					102	80-120		
Cadmium, Total					102	80-120		
Chromium, Total					104	80-120		
Copper, Total					102	80-120		
Lead, Total					103	80-120		
Nickel, Total					101	80-120		
Selenium, Total					100	80-120		
Silver, Total					100	80-120		
Thallium, Total					103	80-120		
Zinc, Total					102	80-120		

Metals - Quality Control

Matrix Spike (7020517-MS1)

Source: Q001172-01

Prepared: 19-Feb-07 Analyzed: 20-Feb-07

Antimony, Total					105	75-125		
Arsenic, Total					107	75-125		
Beryllium, Total					102	75-125		
Cadmium, Total					99.0	75-125		
Chromium, Total					102	75-125		
Copper, Total					103	75-125		
Lead, Total					101	75-125		
Nickel, Total					99.3	75-125		
Selenium, Total					102	75-125		
Silver, Total					100	75-125		
Thallium, Total					101	75-125		
Zinc, Total					101	75-125		

Metals - Quality Control

Matrix Spike Dup (7020517-MSD1)

Source: Q001172-01

Prepared: 19-Feb-07 Analyzed: 20-Feb-07

Antimony, Total					105	75-125	0.00	20
Arsenic, Total					108	75-125	0.930	20
Beryllium, Total					103	75-125	0.976	20
Cadmium, Total					100	75-125	1.01	20
Chromium, Total					103	75-125	0.976	20
Copper, Total					104	75-125	0.966	20
Lead, Total					102	75-125	0.985	20
Nickel, Total					100	75-125	0.702	20
Selenium, Total					103	75-125	0.976	20
Silver, Total					101	75-125	0.995	20
Thallium, Total					103	75-125	1.96	20
Zinc, Total					102	75-125	0.985	20

Wet Chemistry - Quality Control

Blank (7020505-BLK1)

Prepared & Analyzed: 16-Feb-07

Nitrogen, Nitrate (as N)	0.062	U	0.062	0.50	mg/L			
Nitrogen, Nitrite (as N)	0.021	U	0.021	0.50	mg/L			

Wet Chemistry - Quality Control

LCS (7020505-BS1)

Prepared & Analyzed: 16-Feb-07

Nitrogen, Nitrate (as N)					106	80-110		
Nitrogen, Nitrite (as N)					116	90-110		

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Wet Chemistry - Quality Control

LCS Dup (7020505-BSD1)

Prepared & Analyzed: 16-Feb-07

Nitrogen, Nitrate (as N)					105	80-110	0.948	20
Nitrogen, Nitrite (as N)					114	90-110	1.74	20

Wet Chemistry - Quality Control

Blank (7020555-BLK1)

Prepared & Analyzed: 20-Feb-07

Nitrogen, Kjeldahl, Total	0.091	U	0.091	0.25	mg/L			
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Wet Chemistry - Quality Control

LCS (7020555-BS1)

Prepared & Analyzed: 20-Feb-07

Nitrogen, Kjeldahl, Total					107	90-110		
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Wet Chemistry - Quality Control

LCS Dup (7020555-BSD1)

Prepared & Analyzed: 20-Feb-07

Nitrogen, Kjeldahl, Total					88.5	90-110	18.9	20
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Wet Chemistry - Quality Control

Matrix Spike (7020555-MS1)

Source: Q001172-01

Prepared & Analyzed: 20-Feb-07

Nitrogen, Kjeldahl, Total					121	90-110		
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Wet Chemistry - Quality Control

Matrix Spike Dup (7020555-MSD1)

Source: Q001172-01

Prepared & Analyzed: 20-Feb-07

Nitrogen, Kjeldahl, Total					130	90-110	7.17	20
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Wet Chemistry - Quality Control

Blank (7020559-BLK1)

Prepared & Analyzed: 20-Feb-07

Phosphorus, Total	0.047	U	0.047	0.10	mg/L			
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Wet Chemistry - Quality Control

LCS (7020559-BS1)

Prepared & Analyzed: 20-Feb-07

Phosphorus, Total					103	80-120		
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Wet Chemistry - Quality Control

LCS Dup (7020559-BSD1)

Prepared & Analyzed: 20-Feb-07

Phosphorus, Total					103	80-120	0.00	20
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Wet Chemistry - Quality Control

Matrix Spike (7020559-MS1)

Source: Q001172-01

Prepared & Analyzed: 20-Feb-07

Phosphorus, Total					73.0	80-120		
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Wet Chemistry - Quality Control

Matrix Spike Dup (7020559-MSD1)

Source: Q001172-01

Prepared & Analyzed: 20-Feb-07

Phosphorus, Total					84.6	80-120	14.7	20
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Wet Chemistry - Quality Control

Blank (7020588-BLK1)

Prepared & Analyzed: 21-Feb-07

Cyanide, Total	0.0040	U	0.0040	0.0050	mg/L			
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Wet Chemistry - Quality Control

LCS (7020588-BS1)

Prepared & Analyzed: 21-Feb-07

Cyanide, Total					106	80-120		
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QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Wet Chemistry - Quality Control

LCS Dup (7020588-BSD1)	Prepared & Analyzed: 21-Feb-07							
Cyanide, Total					103	80-120	2.87	20

Wet Chemistry - Quality Control

Matrix Spike (7020588-MS1)	Source: Q001202-02		Prepared & Analyzed: 21-Feb-07					
Cyanide, Total					90.5	80-120		

Wet Chemistry - Quality Control

Matrix Spike Dup (7020588-MSD1)	Source: Q001202-02		Prepared & Analyzed: 21-Feb-07					
Cyanide, Total					89.8	80-120	0.776	20

Wet Chemistry - Quality Control

Blank (7020621-BLK1)	Prepared & Analyzed: 17-Feb-07							
Orthophosphate as P	0.0080	U	0.0080	0.010	mg/L			

Wet Chemistry - Quality Control

LCS (7020621-BS1)	Prepared & Analyzed: 17-Feb-07							
Orthophosphate as P					107	80-120		

Wet Chemistry - Quality Control

LCS Dup (7020621-BSD1)	Prepared & Analyzed: 17-Feb-07							
Orthophosphate as P					107	80-120	0.00	20

Wet Chemistry - Quality Control

Matrix Spike (7020621-MS1)	Source: Q001202-02		Prepared & Analyzed: 17-Feb-07					
Orthophosphate as P					105	80-120		

Wet Chemistry - Quality Control

Matrix Spike Dup (7020621-MSD1)	Source: Q001202-02		Prepared & Analyzed: 17-Feb-07					
Orthophosphate as P					107	80-120	1.89	20

Wet Chemistry - Quality Control

Blank (7020656-BLK1)	Prepared & Analyzed: 23-Feb-07							
Nitrogen, Ammonia (as N)	0.015	U	0.015	0.020	mg/L			

Wet Chemistry - Quality Control

LCS (7020656-BS1)	Prepared & Analyzed: 23-Feb-07							
Nitrogen, Ammonia (as N)					106	90-110		

Wet Chemistry - Quality Control

LCS Dup (7020656-BSD1)	Prepared & Analyzed: 23-Feb-07							
Nitrogen, Ammonia (as N)					106	90-110	0.00	20

Wet Chemistry - Quality Control

Matrix Spike (7020656-MS1)	Source: Q001202-02		Prepared & Analyzed: 23-Feb-07					
Nitrogen, Ammonia (as N)					104	90-110		

Wet Chemistry - Quality Control

Matrix Spike Dup (7020656-MSD1)	Source: Q001202-02		Prepared & Analyzed: 23-Feb-07					
Nitrogen, Ammonia (as N)					95.2	90-110	8.84	20

QUALITY CONTROL FOR :Q001202

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Wet Chemistry - Quality Control

Blank (7020671-BLK1)

Prepared: 23-Feb-07 Analyzed: 25-Feb-07

Phenols, Total	0.019	I	0.018	0.020	mg/L			
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Wet Chemistry - Quality Control

LCS (7020671-BS1)

Prepared: 23-Feb-07 Analyzed: 25-Feb-07

Phenols, Total						93.8	80-120	
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Wet Chemistry - Quality Control

LCS Dup (7020671-BSD1)

Prepared: 23-Feb-07 Analyzed: 25-Feb-07

Phenols, Total						90.2	80-120	3.91 20
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Wet Chemistry - Quality Control

Matrix Spike (7020671-MS1)

Source: Q001132-03

Prepared: 23-Feb-07 Analyzed: 25-Feb-07

Phenols, Total						104	80-120	
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Wet Chemistry - Quality Control

Matrix Spike Dup (7020671-MSD1)

Source: Q001132-03

Prepared: 23-Feb-07 Analyzed: 25-Feb-07

Phenols, Total						106	80-120	1.90 20
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NOTES AND DEFINITIONS

V	Indicates the analyte was detected in both the sample and the associated method blank. The value in the method blank is not subtracted from the associated samples.
U	Indicates the compound was analyzed for but not detected.
J	Estimated value. See accompanying case narrative for a complete description.
I	The reported value is between the laboratory method detection limit and the reporting limit.
#	Quality control recovered outside acceptance criteria.
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
DF	Dilution Factor
%REC	Percent Recovery
RPD	Relative Percent Difference

Submission Code: Q001202
 Orders: Q001202
 Entered to Lims: _____

KSA Environmental Laboratory, Inc.
 CHAIN OF CUSTODY RECORD (DEP 62-770.900 - modified form)
 10200 USA Today Way • Miramar, Florida 33025
 Phone (954) 431-4550 • Fax (954) 431-1959 • Sample Custody Fax (954) 432-8875

FDEP Facility No. E 86349
 Page: 1 of 1
 Sampling ComQAP No. _____
 Approval Date: _____

Original - Return w/Report
 Yellow - Lab Copy
 Pink - Sampler Copy

Report To: Hydrologic Associates
 Report To Address: 8925 SW 148th St, Deerfield Beach, FL 33446
 Billing Address: same
 Site Location: _____

Project Number/Name: Parkland
 Project Contact: Brad Waller
 Alternate Contact: _____
 Phone: 305-252-7118
 FAX: 305-254-0874

Sampled By (print): Scott Liddell
 Sampler's Signature: Scott Liddell

I T E M	SAMPLE ID	DATE COLLECTED	TIME COLLECTED	pH	TEMP °C	T E M P D	C O N D	M A T R I X	S A M P L E L O C A T I O N D E S C R I P T I O N	S A M P L E L O C A T I O N D E S C R I P T I O N	ANALYSIS REQUIRED		SAMPLE CONDITION AS RECEIVED		
											PLATE NAME OR METHOD NUMBER OF TESTS NEEDED IN LARGE BOXES BELOW	(✓) CHECK OFF WHICH SAMPLE ITEMS NEED EACH TEST PERFORMED	Temp Sealed	C No	Temp Sealed
1	MW-East	2/15/07						GW			Priority Metals Organic Nitrate Nitrate Nitrite Ammonia Nitrogen				
2	MW-West	2/15/07						GW							
3															
4															
5															
6															
7															
8															
9															
10															

Total # of Containers: 26
 QA/QC Report Needed? Yes No (See price guide for applicable fees)

Report Format: Standard Other (specify)

(1) Relinquished by Signature: Scott Liddell Date: 2/15/07
 Company: HAI Time: 17:04

(1) Received by Signature: Jose Date: 2/16/07
 Company: OTD Time: 12:00

(2) Relinquished by Signature: _____ Date: _____
 Company: _____ Time: _____

(2) Received by Signature: [Signature] Date: 2/16/07
 Company: KSA Time: 13:55

Coating Code: _____ O / L / D
 Misc. Charges: _____
 SHADED AREAS ARE FOR LAB USE ONLY